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OM nucleic - nucleic search, using sw model

Run on: November 27, 2005, 10:29:10 : Search time 254.954 Seconds  
(without alignments)  
8296.792 Million cell updates/sec

Title: US-09-391-861-1

Perfect score: 1190  
Sequence: 1 gagagatccagccggaagag.....aaaaaaaaaaaaaaaa 1190

Scoring table: IDENTITY\_NUC  
Gapop 10.0, Gapext 1.0

Searched: 130057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database:

Issued Patents NA: \*  
1: /cgn2\_6/ptodata/1/ina/1\_COMB.seq: \*  
2: /cgn2\_6/ptodata/1/ina/5\_COMB.seq: \*  
3: /cgn2\_6/ptodata/1/ina/6A\_COMB.seq: \*  
4: /cgn2\_6/ptodata/1/ina/6B\_COMB.seq: \*  
5: /cgn2\_6/ptodata/1/ina/H\_COMB.seq: \*  
6: /cgn2\_6/ptodata/1/ina/PTUS\_COMB.seq: \*  
7: /cgn2\_6/ptodata/1/ina/PP\_COMB.seq: \*  
8: /cgn2\_6/ptodata/1/ina/RE\_COMB.seq: \*  
9: /cgn2\_6/ptodata/1/ina/backfiles.seq: \*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1190	100.0	1190	US-09-390-207-1	Sequence 1, Appli
2	641.4	53.9	643	US-09-715-805-3	Sequence 3, Appli
3	434	36.5	477	US-09-621-976-1353	Sequence 1353, Ap
4	401.8	33.8	649	US-09-390-207-3	Sequence 3, Appli
5	401.8	33.8	659	US-09-715-805-1	Sequence 1, Appli
6	401.8	33.8	659	US-09-665-483B-6	Sequence 6, Appli
7	113.8	9.6	1097	US-09-832-129-21	Sequence 21, Appli
8	95.4	8.0	1696	US-09-835-811-1	Sequence 1, Appli
9	93.4	7.8	6409	US-09-967-908A-1	Sequence 1, Appli
10	93.4	7.8	6409	US-10-159-151-1	Sequence 1, Appli
11	93	7.8	2038	US-09-885-723-6	Sequence 6, Appli
12	92.2	7.7	2082	US-08-785-310A-2	Sequence 2, Appli
13	91.4	7.7	396	US-09-640-173-53	Sequence 53, Appli
14	91.4	7.7	396	US-09-713-550-53	Sequence 53, Appli
15	91.4	7.7	396	US-09-825-294-53	Sequence 53, Appli
16	91.4	7.7	396	US-09-970-966-53	Sequence 53, Appli
17	90.8	7.6	550	US-09-010-147B-5	Sequence 5, Appli
18	90.6	7.6	140224	US-09-949-016-17002	Sequence 17002, A
19	90.4	7.6	1734	US-10-012-221A-51	Sequence 51, Appli
20	90.4	7.6	1734	US-10-015-389A-51	Sequence 51, Appli
21	90.4	7.6	1734	US-10-006-768A-51	Sequence 51, Appli
22	90.4	7.6	1734	US-10-015-671A-51	Sequence 51, Appli
23	90.4	7.6	1734	US-10-015-393A-51	Sequence 51, Appli
24	90.4	7.6	1734	US-10-011-833A-51	Sequence 51, Appli

25	90.4	7.6	1734	3	US-10-006-041A-51	Sequence 51, Appli
26	90.4	7.6	1734	3	US-10-012-064A-51	Sequence 51, Appli
27	90.2	7.6	237510	3	US-09-949-016-14273	Sequence 14273, A
28	89.6	7.5	601	3	US-09-949-016-48520	Sequence 48520, A
29	89.6	7.5	882	3	US-09-311-021-107	Sequence 107, Appl
30	89.6	7.5	2186	3	US-09-360-545-66	Sequence 66, Appli
31	89.4	7.5	194	3	US-09-621-976-9596	Sequence 9596, Ap
32	89.4	7.5	2246	3	US-09-363-708-3	Sequence 3, Appli
33	89.4	7.5	2246	3	US-09-083-587-3	Sequence 3, Appli
34	89.2	7.5	1738	3	US-09-918-909A-27	Sequence 27, Appli
35	89	7.5	396	3	US-09-640-173-33	Sequence 33, Appli
36	89	7.5	396	3	US-09-713-550-33	Sequence 33, Appli
37	89	7.5	396	3	US-09-825-294-33	Sequence 33, Appli
38	89	7.5	396	3	US-09-970-966-33	Sequence 33, Appli
39	89	7.5	441	3	US-09-601-537-10	Sequence 10, Appli
40	89	7.5	4121	3	US-09-601-537-9	Sequence 9, Appli
41	88.8	7.5	371	3	US-09-621-976-16048	Sequence 16048, A
42	88.8	7.5	2846	3	US-09-991-181-230	Sequence 230, App
43	88.8	7.5	2846	3	US-09-990-444-230	Sequence 230, App
44	88.8	7.5	2846	3	US-09-997-333-230	Sequence 230, App
45	88.8	7.5	2846	3	US-09-992-598-230	Sequence 230, App

#### ALIGNMENTS

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RESULT 1
US-09-390-207-1
; Sequence 1, Application US/09390207
; Patent No. 6504530
; GENERAL INFORMATION:
; APPLICANT: Thomson, Arlen
; TITLE OF INVENTION: Fibroblast Growth Factor-Like Polypeptides
; FILE REFERENCE: 99-371
; CURRENT APPLICATION NUMBER: US/09/390,207
; CURRENT FILING DATE: 1999-09-07
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 1
; LENGTH: 1190
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (142)..(771)
US-09-390-207-1

Query Match      100.0%; Score 1190; DB 3; Length 1190;
Best Local Similarity 100.0%; Pred. No. 2.4e-219;
Matches 1190; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GAGGATCCAGCCGGAAGAGAGCCAGGCACTGAGCTTACTTACTTACTGAGCA 60
DB      1 GAGGATCCAGCCGGAAGAGAGCCAGGCACTGAGCTTACTTACTTACTGAGCA 60
QY      1 GAGGATCCAGCCGGAAGAGAGCCAGGCACTGAGCTTACTTACTTACTGAGCA 60
DB      1 GAGGATCCAGCCGGAAGAGAGCCAGGCACTGAGCTTACTTACTTACTGAGCA 60
QY      61 ACTGGAATCTGGACCAATTTCTAAACCACTGAGCTTCTCGAGCTCACACCCGAGATC 120
DB      61 ACTGGAATCTGGACCAATTTCTAAACCACTGAGCTTCTCGAGCTCACACCCGAGATC 120
QY      121 ACCGAGAGACCCGAGCCATTTGATGAGTCCGAGAGCCGAGTTCGAGCACTGAGAGCTG 180
DB      121 ACCGAGAGACCCGAGCCATTTGATGAGTCCGAGAGCCGAGTTCGAGCACTGAGAGCTG 180
QY      181 TGGATTCTGCTGCTGCTGCTGCTTCTTCTGCTGAGAGCTTCCAGGACACCCCATCTGAC 240
DB      181 TGGATTCTGCTGCTGCTGCTGCTTCTTCTGCTGAGAGCTTCCAGGACACCCCATCTGAC 240
QY      241 TCCAGTCTCTCTCTGCAATTTGCGGAGCCAAAGTCCGAGGCTGTAACATGATGAT 300
DB      241 TCCAGTCTCTCTCTGCAATTTGCGGAGCCAAAGTCCGAGGCTGTAACATGATGAT 300
QY      301 GCCAGAGACAGAGAGCCCACTGAGAGATCAAGGAGAGATGAGACCGTGGGGGGCGTGTCT 360
DB      301 GCCAGAGACAGAGAGCCCACTGAGAGATCAAGGAGAGATGAGACCGTGGGGGGCGTGTCT 360
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Db 301 GCCGACGACACAGAGCCCACTGAGATCAGGAGATGGAGCGGTGGAGGCGCTGCT 360
Qy 361 GACGAGAGCCCGAAAGTCTCTGAGCTGAAAGCTTGAAGCCGGAGATTTCATATC 420
Db 361 GACGAGAGCCCGAAAGTCTCTGAGCTGAAAGCTTGAAGCCGGAGATTTCATATC 420
Qy 421 TTGGAGTCAAGACATCCAGGTCTCTGTCAGCGGACAGATGGGCGCTGATGATG 480
Db 421 TTGGAGTCAAGACATCCAGGTCTCTGTCAGCGGACAGATGGGCGCTGATGATG 480
Qy 481 CTCCACTTGAACCTTGAGGCTTGACGCTTCCGGAGCTCTTCTTGAAGACGATACAT 540
Db 481 CTCCACTTGAACCTTGAGGCTTGACGCTTCCGGAGCTCTTCTTGAAGACGATACAT 540
Qy 541 GTTTACGAGTCCGAAAGCCGAGGCTCCGCTGACCTGACCTGACGAGGAAAGTCCCAAC 600
Db 541 GTTTACGAGTCCGAAAGCCGAGGCTCCGCTGACCTGACCTGACGAGGAAAGTCCCAAC 600
Qy 601 CGGAGCCCTGACCCGAGAGACAGCTGCTTCTGCACTACAGGCTGCCCCGCA 660
Db 601 CGGAGCCCTGACCCGAGAGACAGCTGCTTCTGCACTACAGGCTGCCCCGCA 660
Qy 661 CCCCAGGACCAACCGGAACTCTGACCCCGGAGGCTGCTGAGGCTCTGAGCCCT 720
Db 661 CCCCAGGACCAACCGGAACTCTGACCCCGGAGGCTGCTGAGGCTCTGAGCCCT 720
Qy 721 CTGAGATGTGGGACCTTCCAGGCGGAGCCCACTACGCTTCTGAAAGCCAGAG 780
Db 721 CTGAGATGTGGGACCTTCCAGGCGGAGCCCACTACGCTTCTGAAAGCCAGAG 780
Qy 781 CTGTTACTATGACATCTCTCTTATTTAATTTAATTTAATTTAATTTAATTTAAT 840
Db 781 CTGTTACTATGACATCTCTCTTATTTAATTTAATTTAATTTAATTTAATTTAAT 840
Qy 841 TTTCTTCTGAAATTAATAAGTTCAGAGAGAGATTAAGATAGAGATGTGATG 900
Db 841 TTTCTTCTGAAATTAATAAGTTCAGAGAGAGATTAAGATAGAGATGTGATG 900
Qy 901 TCTGAGGAAAGACATGACGCTTTTGTCTCCCTTGGCCGAGCAATCCCTTACACC 960
Db 901 TCTGAGGAAAGACATGACGCTTTTGTCTCCCTTGGCCGAGCAATCCCTTACACC 960
Qy 961 TCCCTCAGTGTCCGAGGCTCTGCTTCCCTGAGGCTTCTTCTTCTTCTTCTT 1020
Db 961 TCCCTCAGTGTCCGAGGCTCTGCTTCCCTGAGGCTTCTTCTTCTTCTTCTT 1020
Qy 1021 TCTTTCTTTTGTGAGAGGAGTCTGCTGCTGACCTGACCCGAGGAGAGAG 1080
Db 1021 TCTTTCTTTTGTGAGAGGAGTCTGCTGCTGACCTGACCCGAGGAGAGAG 1080
Qy 1081 ATTCCATCTCAAAATAATTAATAATTAATAATTAATAATTAATAATTAATAAT 1140
Db 1081 ATTCCATCTCAAAATAATTAATAATTAATAATTAATAATTAATAATTAATAAT 1140
Qy 1141 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1190
Db 1141 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1190

RESULT 2
US-09-715-805-3
; Sequence 3, Application US/09715805
; Patent No. 6716626
; GENERAL INFORMATION:
; APPLICANT: Itoh, No. 6716626yuki
; APPLICANT: Kavanagh, W. Michael
; TITLE OF INVENTION: HUMAN GGF-21 GENE AND GENE EXPRESSION
; FILE REFERENCE: PP-16758.001/201130.408
; CURRENT APPLICATION NUMBER: US/09715,805
; NUMBER OF SEQ ID NOS: 17
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SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 643
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (9)...(638)
US-09-715-805-3
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Query Match 53.9%; Score 641.4; DB 3; Length 643;
Best Local Similarity 99.8%; Pred. No. 3, 8e-114;
Matches 642; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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Qy 134 AGCCATTGATGACTCGGAGAGACCGGCTTGCAGACCTGAGACTGTGGTTCTGTC 193
Db 1 AGCCATTGATGACTCGGAGAGACCGGCTTGCAGACCTGAGACTGTGGTTCTGTC 193
Qy 194 TGGCTGTCTTCTGCTGGAGCTTGCAGGACCTGACAGCACCCCATCCCTGACTCACTCTTC 253
Db 61 TGGCTGTCTTCTGCTGGAGCTTGCAGGACCTGACAGCACCCCATCCCTGACTCACTCTTC 253
Qy 254 TGCATTTGCGGAGCCAAAGTCCGAGGCTTACCTTACACAGATGATCCGAGAGACAG 313
Db 121 TGCATTTGCGGAGCCAAAGTCCGAGGCTTACCTTACACAGATGATCCGAGAGACAG 313
Qy 314 AAGCCCACTGAGATCAGGAGATGGGAGCGTGGGAGGCTGCTGACAGAGCCCG 373
Db 181 AAGCCCACTGAGATCAGGAGATGGGAGCGTGGGAGGCTGCTGACAGAGCCCG 373
Qy 374 AAGTCTCTGAGCTGAAGAGCTTGAAGCCGGAGATTATCAATTTGGAGTCAAGA 433
Db 241 AAGTCTCTGAGCTGAAGAGCTTGAAGCCGGAGATTATCAATTTGGAGTCAAGA 433
Qy 434 CATCAGGTTCTGTGCGCAGCGGACAGATGGGCGCTGTATGATGCTTCACTTTGACC 360
Db 301 CATCAGGTTCTGTGCGCAGCGGACAGATGGGCGCTGTATGATGCTTCACTTTGACC 360
Qy 494 CTGAGGCTTGCAGCTTCCGAGAGCTGCTTCTTGAAGACGATTAATGTTTACAGTCCG 553
Db 361 CTGAGGCTTGCAGCTTCCGAGAGCTGCTTCTTGAAGACGATTAATGTTTACAGTCCG 553
Qy 554 AAGCCCACTGAGCTTCCGAGAGCTTCTGACCTGACAGGAAAGTCCCAACCGGAGCCCTGAC 613
Db 421 AAGCCCACTGAGCTTCCGAGAGCTTCTGACCTGACAGGAAAGTCCCAACCGGAGCCCTGAC 613
Qy 614 CCGAGAGACAGCTGCTTCTGCTGCTGACCTGACAGGCTGCTGCTGCTGCTGCTGCTG 480
Db 481 CCGAGAGACAGCTGCTTCTGCTGCTGACCTGACAGGCTGCTGCTGCTGCTGCTGCTG 480
Qy 674 CCGAAATCTGAGGCTTCCGAGGCTTCCGAGGCTTCTGAGGCTTCTGAGGCTTCTGAGG 733
Db 541 CCGAAATCTGAGGCTTCCGAGGCTTCCGAGGCTTCTGAGGCTTCTGAGGCTTCTGAGG 733
Qy 734 GACCTTCCAGGAGCCCAAGCCCAAGCTTACGCTTCTGAAAGCA 776
Db 601 GACCTTCCAGGAGCCCAAGCCCAAGCTTACGCTTCTGAAAGCA 776
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RESULT 3
US-09-621-976-1353
; Sequence 1353, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J. B.
; APPLICANT: Jobert, S.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET 054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
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: SEQ ID NO 1353
: LENGTH: 477
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: CDS
: LOCATION: 169..423
: NAME/KEY: sig_peptide
: LOCATION: 169..252
: OTHER INFORMATION: Von Heljne matrix
: OTHER INFORMATION: score 11.300001907349
: NAME/KEY: misc_feature
: LOCATION: 207
: OTHER INFORMATION: n=a, 9, c or t
: US-09-621-976-1353

Query Match          36.5%; Score 434; DB 3; Length 477;
Best Local Similarity 98.0%; Pred. No. 2,2e-74;
Matches 442; Conservative 6; Mismatches 2; Indels 1; Gaps 1

QY      1  GAGATTCAGCCGAAAGAGAGACCGACACTGAGCCACTGAGTCTACTACCTGAGCA 60
DB      28  GAGATTCAGCCGAAAGAGAGACCGACACTGAGCCACTGAGTCTACTACCTGAGCA 87

QY      61  ACTGAAATCTGGACCAATTCTAAACCACTACGCTTTCGAGCTCACACCCGGAGATC 120
DB      88  ACTGAAATCTGGACCAAAATCTAAACCACTACGCTTTCGAGCTCACACCCGGAGATC 147

QY      121  ACCTGAGACCCGAGCCAAATTGATGGAATCGGACGAGACCGGGTTGAGCACTCAGAGCTG 180
DB      148  ACCTGAGACCCGAGCCAAATTGATGGAATCGGACGAGACCGGGTTGAGCACTCAGAGCTG 207

QY      181  TGGGTTTCTGCTGCTGCTGCTTCTTCTGCTGAGAGCTCCAGACCAACCCATCCCTGAC 240
DB      208  TGGGTTTCTGCTGCTGCTGCTTCTTCTGCTGAGAGCTCCAGACCAACCCATCCCTGAY 267

QY      241  TTCAGTCTCTTCCTGCAATTTCGGGGGGCCAAAGTCCGGACAGCGGTACTCTACACAGATAT 300
DB      268  TTCAGTCTCTCTCTCAATTTCGGGGGGCCAAAGTCCGGACAGCGGTACTCTACACAGATAT 327

QY      301  GCCCAGCAGACAGAAAGCCCACTGAGATCAGGGAGATGAGGACGCTGGGGGGCGCTGCT 360
DB      328  GCCCAGCAGACAGAAAGCCCACTGAGATCAGGGAGATGAGGACGCTGGGGGGCGCTGCT 387

QY      361  GACCAGAGCCCGAAAGTCTCCTGAGCTGAAAGCCTTGAAGCCGGAGATTATTCAAATC 420
DB      388  GACCAGAGCCCGAAAGTCTCCTGAGCTGAAA-SCTTGAAGCCGGAGATTATTCAAATC 446

QY      421  TTGGGAGTCAAGACATCCAGGTTCCGTGACC 451
DB      447  TTGGGAGTCAAGACATCCAGGTTCCGTGACC 477

RESULT 4
US-09-390-207-3
: Sequence 3, Application US/09390207
: Patent No. 6504530
: GENERAL INFORMATION:
: APPLICANT: Thomason, Arlen
: APPLICANT: Liu, Benxian
: TITLE OF INVENTION: Fibroblast Growth Factor-Like Polypeptides
: FILE REFERENCE: 99-371
: CURRENT APPLICATION NUMBER: US/09/390,207
: CURRENT FILING DATE: 1999-09-07
: NUMBER OF SEQ ID NOS: 41
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 3
: LENGTH: 649
: TYPE: DNA
: ORGANISM: Mus musculus
: FEATURE:
: NAME/KEY: CDS

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i	LOCATION: (1) .. (630)
US-09-390-207-3	
Query Match	33.8%; Score 401.8; DB 3; Length 649;
Beet Local Similarity	80.7%; Pred. No. 3.5e-68;
Matches 469; Conservative	0; Mismatches 112; Indels 0; Gaps 0
OY	TGCTGGCTGTGTCCTTTCCTGCGAGCCTCCACAGCACACCCTCATCCTCACTCTCTC 250
DB	TTCTGGCTGTCTTCTTGCTGGGGGCTTCAACAAGCATATCCCTAATTCACAGCCCC 112
OY	251 TCCGCAATTGGGGGCCCAAGTCCGCGAGCGGTACTCTTAACACAGATGATGCACAGAGA 310
DB	113 TCCTCAATTGGGGGCTAAAGTCCGCGAGGTACTCTTAACAGATGATGACCAAGACA 172
OY	311 CAGAACCCACCTGGAGATCAGGGAGATGGGAACGGTGGGGGCGCTCTGAACAGAGCC 370
DB	173 CTGAAGCCCACTGGAGATCAGGGAGATGGAAACATGTGTAGGGCGACAGACACCGCAGTC 232
OY	371 CCGAAAGTCTCTGTCACTGAAGAAGCTTTGAAGCCGGAGTTATTAATACTTTGGAGATCA 430
DB	233 CAGAAAGTCTCTGTGAGCTCAAAGCTTTGAAGCCAGGGGCTATTCMAATCCGGGTGTCA 292
OY	431 AGACATCAAGGTCTCTGTGCCAGCGGGCCAGATGGGGGCCCTGTATGATCGCTCCACTTTG 490
DB	293 AAGCTCTTAGGTTTTCTTTTGGCCAACAGCCAGATGGAGCTCTCTATGATATGCTCTCACTTTG 352
OY	491 ACCCTGAGGCTGTGAGCTTCCGGGAGCTGTCTTTGAGAGCGSATATCAATGTTTACAGT 550
DB	353 ATCTGAGGCTGTGAGCTTCAAGAGAACTGTCTGTGAGAGACGTTATCAATGTATCAAGT 412
OY	551 CGAAGCCCAAGGCTCTCCGCTGTCACTGCGAGGAGAACAGTCCCACACCGGGAGCCTTG 610
DB	413 CTGAAGCCCAAGGCTCTCCGCTGTCTGCTTCAAGAGAACTCCCAACAGAGATGGAAA 472
OY	611 CACCCCGAGGACAGCTGTGCTTTCGTGCCACTACAGAGGCTCCCCCGACACCCCGGAGGC 670
DB	473 CATCTTGGGAGCTGTGTGCTTCTGTCACATGACAGGGCTGTCTCACAGAGCCCAAGACC 532
OY	671 CACCCGGAATCTGTGCCCCCCCCAGGCCCCGATGTGGGCTCTCTCGAACCTCTGAGCATGG 730
DB	533 AAGCAGATCTCTGTCCCCCAAGGCCCCAGATGTGGGCTCTCTGTACACCCCTGTGAGCATGG 592
OY	731 TGGGACCTTCCAGGGCCGAAGCCCGACGTACGCTTCTCTGA 771
DB	593 TAGAGCTTTACAGGGCCGAAGCCCGACGTATGTGGTCTCTGA 633
RESULT 5	
US-09-715-805-1	
; Sequence 1, Application US/09715805	
; Patent No. 6716626	
; GENERAL INFORMATION:	
; APPLICANT: Itoh, No. 6716626yuki	
; TITLE OF INVENTION: HUMAN FGF-21 GENE AND GENE EXPRESSION	
; FILE REFERENCE: PP-16758, 001/201130.408	
; CURRENT APPLICATION NUMBER: US/09/715,805	
; NUMBER OF SEQ ID NOS: 17	
; SOFTWARE: FastSeq for Windows Version 4.0	
; SEQ ID NO 1	
; LENGTH: 659	
; TYPE: DNA	
; ORGANISM: Mus musculus	
; FEATURE:	
; NAME/KEY: CDS	
; LOCATION: (14) ... (646)	
US-09-715-805-1	
Query Match	33.8%; Score 401.8; DB 3; Length 659;
Beet Local Similarity	80.7%; Pred. No. 3.6e-68;

	Matches	469; Conservative	0;	Mismatches	112; Indels	0;	Gaps	0;
QY	191	TGCTGAGCTGGTCTTCTGCTGGAGCCTGCAAGGCA	CACCCCATCCCTGACTCAAGTCTCT	250				
Db	66	TGCTGGCTGTCTTCTCGCTGGGGGCTACAAAGCAT	TACCCATCCCTACTCTCAGCCCCC	125				
QY	251	TGCTGCATTCGGGGGGCCAAAGTCCGGCACGGTAC	CTTTACACAGATGATGCCAGCAGA	310				
Db	126	TCCTTCAGTTGGGGGGGTCAAGTCCGGCAGAAGTAC	CTTTCACAGATGATCAGACCAAGACA	185				
QY	311	CAGAAAGCCACCTGGAGATCAGGGAGATGGGA	CGGTGGGGGGGGCTGCTACCAAGACC	370				
Db	186	CTGAAGCCCACTGGAGATCAAGGAGATGAACAG	TGATGGGGCAGCACCCGCACTC	245				
QY	371	CCGAAAGTCTCTCTGCAGCTGAAGCCTTGAAG	CCGGAGTATTCAATCTTGGAGATCA	430				
Db	246	CAGAAAGTCTCTGGAGCTCAAGCCTTGAAAGCC	AGGGGTATTCAATCTCTGGGTGTCA	305				
QY	431	AGACATTCAGATTCCTGTGTCCAGCGGCCAAT	TGGGGCCCTGTATGATCGCTCACTTGG	490				
Db	306	AAGCCTTAGAGTTCTTGTGCGCAAGCCAGATG	AGAGCTCTCTATGATTCGGCTCACTTGG	365				
QY	491	AACCTGAGGCTGTGAGCTTCCGGAGAGTGC	CTTTGAGAGCGGATTAAGTTTAAACAGT	550				
Db	366	ATCTGAGGCTGTGAGCTTCAGAGAACTGCTGT	CGAGAGCGTTAACTAATGTATCAGT	425				
QY	551	CCGAAGCCCAAGCGCTCTCCGTGCACTGCCAG	GGGAAACAATGCCCAACCCGGAGCCCTG	610				
Db	426	CTGAAGCCCAAGCGCTGCTGCCCTGCTGCAAG	AGGACCTCCCAACAGAGATGCCAA	485				
QY	611	CACCCCGAGGACAGAGCTGCTTCTCTGCACTA	CAGAGCTTGCCTCCCGCAACCCCGGAGC	670				
Db	486	CATCTTGGGAGCTGTGCGCTTCTCTGCTCCAT	TGCCATGCCAGGCTGTCTTCACGAGCCCCA	545				
QY	671	CACCCGGAATCTTGAGCCCCCGAGCCCCCG	CAATGAGGCTCTCTGGAGCCCTGTAGCATGG	730				
Db	546	AAGAGGATTCGTGCGCCCAAGAGCCCAAGAT	GTGGGCTCTCTTGAGCCCCCTGAGCATGG	605				
QY	731	TGGGACCTTCCAGAGGCGCAAGCCCCAGCTA	CGCTTCTCTGA	771				
Db	606	TAGAGCCTTTACAGGGCCGAAGCCCCAGCTA	TGAGTCTCTTA	646				

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RESULT
US-09-832-129-21
Sequence 21, Application US/09832129
Patent No. 6936691
GENERAL INFORMATION:
APPLICANT: Piscella et al.
TITLE OF INVENTION: 19 Human secreted proteins
FILE REFERENCE: P2045P1
CURRENT APPLICATION NUMBER: US/09/832.129
PRIORITY FILING DATE: 2001-04-11
PRIORITY APPLICATION NUMBER: 2000-10-17
PRIORITY FILING DATE: 2000-10-17
PRIORITY APPLICATION NUMBER: 60/163,085
PRIORITY FILING DATE: 1999-11-02
PRIORITY APPLICATION NUMBER: 60/172,411
PRIORITY FILING DATE: 1999-12-17
NUMBER OF SEQ ID NOS: 70
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 21
LENGTH: 1097
TYPE: DNA
ORGANISM: Homo sapiens
US-09-832-129-21

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Query Match	9.6%	Score 113.8	DB 3	Length 1097
Best Local Similarity	87.9%	Pred. No. 7.7e-13		
Matches 124	Conservative 0	Mismatches 17	Indels 0	Gaps 0

QY 1050 CTCCTGACATCCAGCCCAAGGCCACAGAGCCGATTCATCTCAAAAAATAAATAATAA 1105

Db 938 CACTGACATCCAGCTGAGACGACGAGCTCATCTCAAAAAAAAAAAAAAAAAAAAA 997  
Qy 1110 TAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 1169  
Db 998 AA 1057  
Qy 1170 AA 1190  
Db 1058 AA 1078

RESULT 8  
US-09-835-811-1

; Sequence 1, Application US/09835811  
; Patent No. 6482936  
; GENERAL INFORMATION:  
; APPLICANT: HU, Song et al  
; TITLE OF INVENTION: ISOLATED HUMAN SECRETED PROTEINS,  
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN SECRETED PROTEINS, AND  
; FILE REFERENCE: C10012228  
; CURRENT APPLICATION NUMBER: US/09/835,811  
; NUMBER OF SEQ ID NOS: 5  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1  
; LENGTH: 1696  
; TYPE: DNA  
; ORGANISM: Human  
US-09-835-811-1

Query Match 8.0%; Score 95.4; DB 3; Length 1696;  
Best Local Similarity 72.8%; Pred. No. 2.8e-09;  
Matches 123; Conservative 0; Mismatches 46; Indels 0; Gaps 0;

Qy 1022 CTTTCTTTTGTGACGAGCTGCTGTGCACTCCAGCCGACGACGAGAGAGA 1081  
Db 1439 CTTTCATGATTTCTCCAAAGTAGTGTGTGACCTGTCCCTCCCAAGATTAAAG 1498  
Qy 1082 TTCCATCTCAAAAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 1141  
Db 1499 ATCAGCTATATGATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 1558  
Qy 1142 AA 1190  
Db 1559 AA 1607

## RESULT 9

US-09-967-908A-1  
; Sequence 1, Application US/09967908A  
; Patent No. 6514738  
; GENERAL INFORMATION:  
; APPLICANT: Cyclokinetics, Inc.  
; APPLICANT: Beraud, Christopher  
; APPLICANT: Guo, Jun  
; APPLICANT: Freedman, Richard  
; APPLICANT: Patel, Umesh A.  
; APPLICANT: Davies, Katherine A.  
; TITLE OF INVENTION: KINI-3 MOTOR PROTEIN AND METHODS FOR ITS USE  
; FILE REFERENCE: 020552-002400US  
; CURRENT APPLICATION NUMBER: US/09/967,908A  
; PRIOR FILING DATE: 2001-09-28  
; PRIOR APPLICATION NUMBER: US 09/675,227  
; NUMBER OF SEQ ID NOS: 10  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 1  
; LENGTH: 6409  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence:Kini-3 sequence

US-09-967-908A-1

Query Match 7.8%; Score 93.4; DB 3; Length 6409;  
Best Local Similarity 80.7%; Pred. No. 9.3e-09;  
Matches 109; Conservative 0; Mismatches 26; Indels 0; Gaps 0;

Qy 1056 ACTCCAGCCGACGACGAGAGCTCATCTCAAAAAAAAAATTAATTAATTAATA 1115  
Db 6252 AATACAAAACAAACGAGAGACTGATTTCTAAAAAAAAAAAAAAAAAAAAA 6311  
Qy 1116 AATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 1175  
Db 6312 AA 6371  
Qy 1176 AA 1190  
Db 6372 AA 6386

## RESULT 10

US-10-159-151-1  
; Sequence 1, Application US/10159151  
; Patent No. 6794178  
; GENERAL INFORMATION:  
; APPLICANT: Cyclokinetics, Inc.  
; APPLICANT: Beraud, Christopher  
; APPLICANT: Guo, Jun  
; APPLICANT: Freedman, Richard  
; APPLICANT: Patel, Umesh A.  
; APPLICANT: Davies, Katherine A.  
; TITLE OF INVENTION: KINI-3 MOTOR PROTEIN AND METHODS FOR ITS USE  
; FILE REFERENCE: 020552-002400US  
; CURRENT APPLICATION NUMBER: US/10/159,151  
; PRIOR FILING DATE: 2002-05-31  
; PRIOR APPLICATION NUMBER: US/09/967,908  
; PRIOR FILING DATE: 2001-09-28  
; PRIOR APPLICATION NUMBER: US 09/675,227  
; PRIOR FILING DATE: 2000-09-29  
; NUMBER OF SEQ ID NOS: 10  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 1  
; LENGTH: 6409  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence:Kini-3 sequence  
US-10-159-151-1

Query Match 7.8%; Score 93.4; DB 3; Length 6409;  
Best Local Similarity 80.7%; Pred. No. 9.3e-09;  
Matches 109; Conservative 0; Mismatches 26; Indels 0; Gaps 0;

Qy 1056 ACTCCAGCCGACGACGAGAGCTCATCTCAAAAAAAAAATTAATTAATTAATA 1115  
Db 6252 AATACAAAACAAACGAGAGACTGATTTCTAAAAAAAAAAAAAAAAAAAAA 6311  
Qy 1116 AATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 1175  
Db 6312 AA 6371  
Qy 1176 AA 1190  
Db 6372 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 6386

## RESULT 11

US-09-885-723-6  
; Sequence 6, Application US/09885723  
; Patent No. 6822142  
; GENERAL INFORMATION:  
; APPLICANT: Monsanto Company  
; TITLE OF INVENTION: TRANSGENIC PLANTS CONTAINING ALTERED LEVELS OF STEROID COMPOUNDS  
; FILE REFERENCE: MTC6783.1

7.7%; Score 92.2; DB 2; Length 2082;

CURRENT APPLICATION NUMBER: US/09/713,550

CURRENT APPLICATION NUMBER: US/C  
CURRENT FILING DATE: 2000-11-14

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? NUMBER OF SEQ ID NOS: 205
? SOFTWARE: FastSeq for Windows Version 3.0.
? SEQ ID NO: 53
? LENGTH: 396
? TYPE: DNA
? ORGANISM: Homo sapien
? FEATURE:
? NAME/KEY: misc_feature
? LOCATION: (1)..(396)
? OTHER INFORMATION: n = A,T,C or G
? OS-09-713-550-53

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Query Match	7.7%	Score 91.4	DB 3	Length 396
Best Local Similarity	64.6%	Pred. No. 1.1e-08		
Matches 122	Conservative 0	Mismatches 67	Indels 0	Gaps 0

QY	1002	TCACCTTTTCTCTTTCTTTCTTTCTTTTGTGAGCAGAGTCCGCTCGACTCCA	1061
Db	289	TNNGTNTNNNTTAAATTTTCTTTTCTTTTGTGAAATTAANAAGNAAAAA	230
QY	1062	GCCCCAGCCACAGACGATTCATCTCAAAAAATTAATTAATTAATTAATTA	1121
Db	229	ANAAATNTAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAAA	170
QY	1122	TATATAAATTAATAAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAA	1181
Db	169	AA	110
QY	1182	AAAAAAAAAA 1190	
Db	109	AAAAAAAAAA 101	

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RESULT 15 US-09-825-294-53/c
; Sequence 53, Application US/09825294
; Patent No. 6710170
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Stolk, John A.
; APPLICANT: Algate, Paul A.
; APPLICANT: Fling, Steven P.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
; TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.484C5
; CURRENT APPLICATION NUMBER: US/09/825.294
; CURRENT FILING DATE: 2001-04-03
; NUMBER OF SEQ ID NOS: 215
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 53
; LENGTH: 396
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(396)
; OTHER INFORMATION: n = A,T,C or G
; US-09-825-294-53

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Query Match	7.7%	Score	91.4	DB	3	Length	356
Best Local	Similarly	Pred. No.	1.1e-08				
Matches	122	Conservative	0	Mismatches	67	Indels	0
						Gaps	0

Qy	1002	TCACCTTTTCTTTCTTTCTTTCTTTTGTGAGCGAGTCTGCTGCAC	1064
Db	289	TNNGTNNNTTATNTTTCTTTCTTTTNGAATTAAGNAAAAA	230
Qy	1062	GCCGAGCGACAGCGAGATTCATCAAAAAATTAATTAATTAATTAAT	1121
Db	229	ANAAANTTAATAAAAAAATAAAAAAATAAAAAAATAAAAAA	170
Qy	1122	TATATAAATAAAAAAATAAAAAAATAAAAAAATAAAAAAATA	1181

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D0      169 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 110
QY      1182 AAAAAAAAAA 1190
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D0      109 AAAAAAAAAA 101

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Search completed: November 27, 2005, 16:46:15  
Job time : 262.954 secs

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; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 643
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (9) ... (638)
US-03-715-805-3

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QY 134 AGCCATTATGAGACTCGACCGAGACCGGGTTCTGAGCACTCAGAGACTGTGGTTTTCTGTGC 193  
 Db 1 AGCCATTATGAGACTCGACCGAGACCGGGTTCTGAGCACTCAGAGACTGTGGTTTTCTGTGC 60  
 QY 194 TGGCTGGTCTTGTGCTGGAGAGCCGTGCAGGACACACCCCATCCCTGACTTCCTCTCC 253  
 Db 61 TGGCTGGTCTTGTGCTGGAGAGCCGTGCAGGACACACCCCATCCCTGACTTCCTCTCC 120  
 QY 254 TGCAATTCCGGGGGCGCAAGTCCGGACCGGTACTCTTACACAGATATGCCAGACAG 313  
 Db 121 TGCAATTCCGGGGGCGCAAGTCCGGACCGGTACTCTTACACAGATATGCCAGACAG 180  
 QY 314 AAGCCCACTGGAGATCAGAGAGATGGGACGGTGGGGGGGGCTGTGACCAAGAGCCCG 373  
 Db 181 AAGCCCACTGGAGATCAGAGAGATGGGACGGTGGGGGGGGCTGTGACCAAGAGCCCG 240  
 QY 374 AAGGTCTCTGACGTGAAAGCCTTGAAGCGGGAGATTCAATCTTGGAGTCAAGA 433  
 Db 241 AAGGTCTCTGACGTGAAAGCCTTGAAGCGGGAGATTCAATCTTGGAGTCAAGA 300  
 QY 434 CATCCAGGTTCTGTGGCCACGAGCGGCACATGGGGCCCTGTATGATTCGCTCACTTGAAC 493  
 Db 301 CATCCAGGTTCTGTGGCCACGAGCGGCACATGGGGCCCTGTATGATTCGCTCACTTGAAC 360  
 QY 494 CTGAGGCTGTGACGTTCCGGAGAGCTGTCTTCTTGAGACGGAATTCATATGTTTACCAATCCG 553  
 Db 361 CTGAGGCTGTGACGTTCCGGAGAGCTGTCTTCTTGAGACGGAATTCATATGTTTACCAATCCG 420  
 QY 554 AAGCCCAAGGCTCCCGCTGTGCACTGTGCACAGGAAACAATCCCAACCGGAGACCTGCAC 613  
 Db 421 AAGCCCAAGGCTCCCGCTGTGCACTGTGCACAGGAAACAATCCCAACCGGAGACCTGCAC 480  
 QY 614 CCGGAGGACGAGCTCGGCTTCTGTGCACTTACAGGCTGTGCCCCCGACCCCGGAGCCAC 673  
 Db 481 CCGGAGGACGAGCTCGGCTTCTGTGCACTTACAGGCTGTGCCCCCGACCCCGGAGCCAC 540  
 QY 674 CCGGAATTCGTGAGCCCCCGACCCCGATGTGGCTCTCTGAGACCTCTGAGCAATGTGTGG 733  
 Db 541 CCGGAATTCGTGAGCCCCCGACCCCGATGTGGCTCTCTGAGACCTCTGAGCAATGTGTGG 700  
 QY 734 GACCTTCCAGGGCGGAAGCCAGCTTACGCTTCCGAAAGCA 776  
 Db 601 GACCTTCCAGGGCGGAAGCCAGCTTACGCTTCCGAAAGCA 643

```

RESULT 3
US-09-621-976-1353
: Sequence 1353, Application US/09621976
: Patent No. 6639063
: GENERAL INFORMATION:
: APPLICANT: Dumas Milne Edwards, J.B.
: APPLICANT: Jobert, S.
: APPLICANT: Giordano, J.Y.
: TITLE OF INVENTION: ESTs and Encoded Human Proteins
: FILE REFERENCE: GENSET 054PR2
: CURRENT APPLICATION NUMBER: US/09/621,976
: NUMBER OF SEQ ID NOS: 2000-07-21
: SOFTWARE: Patent.pm

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/ SEQ ID NO 1353
/ LENGTH: 477
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: 169..423
/ NAME/KEY: sig_peptide
/ LOCATION: 169..252
/ OTHER INFORMATION: Von Heljne matrix
/ OTHER INFORMATION: score 11.3000001907349
/ OTHER INFORMATION: seq SVLADLLGACQA/HP
/ NAME/KEY: misc_feature
/ LOCATION: 207
/ OTHER INFORMATION: n=a, g, c or t
US-09-621-976-1353
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Query Match      8.7%; Score 104; DB 3; Length 477;
Best Local Similarity 99.4%; Pred. No. 3.1e-30;
Matches 154; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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QY      1 GAGATCCAGCCGAAAGAGGAGCCAGCACTCAGGCCACTGAGTCTACTGACCTGACA 60
DB      28 GAGATCCAGCCGAAAGAGGAGCCAGCACTCAGGCCACTGAGTCTACTGACCTGACA 87
QY      61 ACTGGAATCTGGCACTTCTTAAACCACTCAGCTTCTCGAGCTCACACCCGGAGATC 120
DB      88 ACTGGAATCTGGCACTTCTTAAACCACTCAGCTTCTCGAGCTCACACCCGGAGATC 147
QY      121 ACTGAGAGCCCGAGCCATTGATGACTCGGACGA 155
DB      148 ACTGAGAGCCCGAGCCATTGATGACTCGGACGA 182
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RESULT 4
US-09-540-1357
/ Sequence 1357, Application US/09902540
/ Patent No. 6833447
/ GENERAL INFORMATION:
/ APPLICANT: Goldman, Barry S.
/ APPLICANT: Hinkle, Gregory J.
/ APPLICANT: Slater, Steven C.
/ APPLICANT: Miesand, Roger C.
/ TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
/ FILE REFERENCE: 38-10(115849)B
/ CURRENT FILING DATE: 2001-07-10
/ PRIOR APPLICATION NUMBER: US/09/902,540
/ PRIOR FILING DATE: 2000-07-10
/ NUMBER OF SEQ ID NOS: 16825
/ SEQ ID NO 1357
/ LENGTH: 612
/ TYPE: DNA
/ ORGANISM: Myxococcus xanthus
/ FEATURE:
/ NAME/KEY: unsure
/ LOCATION: (1)..(612)
/ OTHER INFORMATION: unsure at all n locations
US-09-902-540-1357
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Query Match      5.5%; Score 66; DB 3; Length 612;
Best Local Similarity 100.0%; Pred. No. 7.3e-16;
Matches 66; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1125 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1184
DB      70 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 129
QY      1185 AAAAAA 1190
DB      130 AAAAAA 135
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RESULT 5
PCT-US95-06406A-21
/ Sequence 21, Application PC/TUS9506406A
/ GENERAL INFORMATION:
/ APPLICANT: Janet D. Robishaw, Charles Kunsch
/ TITLE OF INVENTION: cDNA Clones Encoding Human G Protein
/ TITLE OF INVENTION: Subunits
/ NUMBER OF SEQUENCES: 23
/ CORRESPONDENCE ADDRESS:
/ ADDRESS:
/ STREET:
/ CITY:
/ STATE:
/ COUNTRY:
/ ZIP:
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
/ COMPUTER: IBM 486
/ OPERATING SYSTEM: WINDOWS FOR WORKGROUPS
/ SOFTWARE: WORDPERFECT 5.1
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: PCT/US95/06406A
/ FILING DATE: Herewith
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER:
/ FILING DATE:
/ ATTORNEY/AGENT INFORMATION:
/ NAME:
/ REGISTRATION NUMBER:
/ REFERENCE/DOCKET NUMBER:
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE:
/ TELEFAX:
/ INFORMATION FOR SEQ ID NO: 21:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 903
/ TYPE: Nucleic Acid
/ STRANDEDNESS: Single
/ TOPOLOGY: Linear
/ ANTI-SENSE: NO
PCT-US95-06406A-21
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Query Match      5.5%; Score 66; DB 6; Length 903;
Best Local Similarity 100.0%; Pred. No. 7e-16;
Matches 66; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      1125 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1184
DB      834 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 893
QY      1185 AAAAAA 1190
DB      894 AAAAAA 899
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```
RESULT 6
US-10-003-392-3
/ Sequence 3, Application US/10003392
/ Patent No. 6791015
/ GENERAL INFORMATION:
/ APPLICANT: Allen, Stephen M.
/ APPLICANT: Cami, Perry G.
/ APPLICANT: Scoop, Johan M.
/ TITLE OF INVENTION: Fructan Biosynthetic Enzymes
/ FILE REFERENCE: B01463 US NA
/ CURRENT APPLICATION NUMBER: US/10/003,392
/ PRIOR FILING DATE: 2001-10-30
/ PRIOR APPLICATION NUMBER: 60/244,273
/ PRIOR FILING DATE: 2000-10-10
/ PRIOR APPLICATION NUMBER: 60/269,543
/ PRIOR FILING DATE: 2001-02-16
/ NUMBER OF SEQ ID NOS: 21
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SOFTWARE: Microsoft Office 97
; SEQ ID NO 3
; LENGTH: 2146
; TYPE: DNA
; ORGANISM: Parthenium argentatum Grey
US-10-003-392-3

Query Match          5.5%; Score 66; DB 3; Length 2146;
Best Local Similarity 100.0%; Fred. No. 6.3e-16;
Matches 66; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1125 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1184
Db 2009 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 2068
QY 1185 AAAAAA 1190
Db 2069 AAAAAA 2074

RESULT 7
US-09-991-181-178
; Sequence 178, Application US/09991181
; Patent No. 6913915
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gertlisen, Mary E.
; APPLICANT: Goddard, Audrey J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Guiney, Auelin L.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secretd and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730PIC53
; CURRENT APPLICATION NUMBER: US/09/991,181
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
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; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087607
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
; PRIOR APPLICATION NUMBER: 60/088021
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088025
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088026
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088028
; PRIOR FILING DATE: 1998-06-04
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; PRIOR APPLICATION NUMBER: 60/088167
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; PRIOR APPLICATION NUMBER: 60/088217
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; PRIOR APPLICATION NUMBER: 60/088655
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: 60/088734
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088738
; PRIOR FILING DATE: 1998-06-10
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; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088824
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088826
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088858
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088861
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089440
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089512
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; PRIOR APPLICATION NUMBER: 60/089514
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; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089599
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; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653
; PRIOR FILING DATE: 1998-06-17
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;; PRIOR FILING DATE: 1998-06-18  
;; PRIOR APPLICATION NUMBER: 60/089907  
;; PRIOR FILING DATE: 1998-06-18  
;; PRIOR APPLICATION NUMBER: 60/089908  
;; PRIOR FILING DATE: 1998-06-18  
;; PRIOR APPLICATION NUMBER: 60/089947  
;; PRIOR FILING DATE: 1998-06-19  
;; PRIOR APPLICATION NUMBER: 60/089948  
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;; PRIOR APPLICATION NUMBER: 60/089952  
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;; PRIOR APPLICATION NUMBER: 60/090246  
;; PRIOR FILING DATE: 1998-06-22  
;; PRIOR APPLICATION NUMBER: 60/090252  
;; PRIOR FILING DATE: 1998-06-22  
;; PRIOR APPLICATION NUMBER: 60/090254  
;; PRIOR FILING DATE: 1998-06-22  
;; PRIOR APPLICATION NUMBER: 60/090349  
;; PRIOR FILING DATE: 1998-06-23  
;; PRIOR APPLICATION NUMBER: 60/090355  
;; PRIOR FILING DATE: 1998-06-23  
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;; PRIOR FILING DATE: 1998-06-24  
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;; PRIOR APPLICATION NUMBER: 60/090557  
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;; PRIOR APPLICATION NUMBER: 60/091626  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091633  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091978  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/091982

;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09  
Query Match 5.5%; Score 66; DB 3; Length 2773;  
Best Local Similarity 100.0%; Pred. No. 6, 1e-16;  
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; Sequence 178, Application US/09990444  
; Patent No. 6930170  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botsstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Batou, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerltsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kijavini, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: P2730P1C19  
; CURRENT APPLICATION NUMBER: US/09/990,444  
;; PRIOR FILING DATE: 2001-11-14  
;; PRIOR APPLICATION NUMBER: 60/049787  
;; PRIOR FILING DATE: 1997-06-16  
;; PRIOR APPLICATION NUMBER: 60/062250  
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;; PRIOR APPLICATION NUMBER: 60/065186  
;; PRIOR FILING DATE: 1997-11-12  
;; PRIOR APPLICATION NUMBER: 60/065311  
;; PRIOR FILING DATE: 1997-11-13  
;; PRIOR APPLICATION NUMBER: 60/066770  
;; PRIOR FILING DATE: 1997-11-24  
;; PRIOR APPLICATION NUMBER: 60/075945  
;; PRIOR FILING DATE: 1998-02-25  
;; PRIOR APPLICATION NUMBER: 60/078910  
;; PRIOR FILING DATE: 1998-03-20  
;; PRIOR APPLICATION NUMBER: 60/083322  
;; PRIOR FILING DATE: 1998-04-28  
;; PRIOR APPLICATION NUMBER: 60/084600  
;; PRIOR FILING DATE: 1998-05-07  
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;; PRIOR FILING DATE: 1998-05-28  
;; PRIOR APPLICATION NUMBER: 60/087607  
;; PRIOR FILING DATE: 1998-06-02





1 PRIOR APPLICATION NUMBER: 60/089947  
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/ Patent No. 6956108
/ GENERAL INFORMATION:
/ APPLICANT: Ashkenazi, Avi J.
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Botstein, David
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Eaton, Dan L.
/ APPLICANT: Ferrara, Napoleone
/ APPLICANT: Fong, Sherman
/ APPLICANT: Gerber, Hanspeter
/ APPLICANT: Gertlisen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Grimaldi, J. Christopher
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Klavin, Ivar J.
/ APPLICANT: Napier, Mary A.
/ APPLICANT: Pan, James
/ APPLICANT: Paoni, Nicholas F.
/ APPLICANT: Roy, Margaret Ann
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K.
/ APPLICANT: Williams, P. Mickey
/ APPLICANT: Wood, William I.
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
/ FILE REFERENCE: P2730P/C20
/ CURRENT APPLICATION NUMBER: US/09/992,598
/ PRIOR FILING DATE: 2001-11-14
/ PRIOR APPLICATION NUMBER: 60/049787
/ PRIOR FILING DATE: 1997-06-16
/ PRIOR APPLICATION NUMBER: 60/062250
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PRIOR FILING DATE: 1998-06-19	80

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? LOCATION: 27..689
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? NAME/KEY: 3'UTR
? LOCATION: 690..1406
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? NAME/KEY: polyA_signal
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QY 1187 AAAAA 1190
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Db 1381 AAAAA 1384
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RESULT 13
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; Patent No. 6881542
; GENERAL INFORMATION:
; APPLICANT: Boylan, John
; APPLICANT: Bowers, Alex
; TITLE OF INVENTION: No. 6881542el Serine Threonine Kinase Member, h2520-59
; FILE REFERENCE: 01017/36524A
; CURRENT APPLICATION NUMBER: US/09/909,474D
; CURRENT FILING DATE: 2001-07-19
; PRIOR APPLICATION NUMBER: US 60/219,204
; PRIOR FILING DATE: 2000-07-19
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 2059
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (49)..(1122)
US-09-909-474D-1

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RESULT 14
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; Patent No. 6638721
; GENERAL INFORMATION:
; APPLICANT: Meyers, Rachel
; APPLICANT: Kapeller-Ribbenman

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; APPLICANT: Williamson, Mark
; TITLE OF INVENTION: No. 66387221el Human Protein Kinases and Uses
; TITLE OF INVENTION: Therefor
; FILE REFERENCE: 35800/20996
; CURRENT APPLICATION NUMBER: US/09/799,875
; PRIOR FILING DATE: 2001-03-06
; PRIOR APPLICATION NUMBER: 60/182,059
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 09/659,287
; PRIOR FILING DATE: 2000-09-12
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; TITLE OF INVENTION: 207 Human Secreted Proteins
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; EARLIER FILING DATE: 1997-06-06
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; EARLIER FILING DATE: 1997-12-18
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; EARLIER FILING DATE: 1998-07-15
; EARLIER APPLICATION NUMBER: 60/094,657
; EARLIER FILING DATE: 1998-07-30
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; ORGANISM: Homo sapiens
; US-09-205-258-68

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GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

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9: /cg2\_6/ptodata/1/ina/backfile1.seq.\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1116	100.0	1190	3	US-09-390-207-1
2	1106	99.1	643	3	US-09-715-805-3
3	803.5	72.0	649	3	US-09-390-207-3
4	803.5	72.0	659	3	US-09-715-805-1
5	803.5	72.0	659	3	US-09-665-4938-6
6	500	44.8	477	3	US-09-621-976-1353
7	273	24.5	651	3	US-09-949-016-2335
8	273	24.5	2137	3	US-09-907-794A-58
9	273	24.5	2137	3	US-09-905-125A-58

10	273	24.5	2137	3	US-09-902-775A-58	Sequence 58, Appl
11	273	24.5	2137	3	US-09-906-700-58	Sequence 58, Appl
12	273	24.5	2137	3	US-09-903-603A-58	Sequence 58, Appl
13	273	24.5	2137	3	US-09-904-520A-58	Sequence 58, Appl
14	273	24.5	2137	3	US-09-909-064-58	Sequence 58, Appl
15	273	24.5	2137	3	US-09-905-381A-58	Sequence 58, Appl
16	273	24.5	2137	3	US-09-906-618-58	Sequence 58, Appl
17	273	24.5	2137	3	US-09-906-646-58	Sequence 58, Appl
18	273	24.5	2137	3	US-09-904-462-58	Sequence 58, Appl
19	273	24.5	2137	3	US-09-902-736A-58	Sequence 58, Appl
20	273	24.5	2137	3	US-09-906-722A-58	Sequence 58, Appl
21	247.5	22.2	810	3	US-09-774-528-440	Sequence 440, App
22	247.5	22.2	810	3	US-10-120-988-450	Sequence 440, App
23	247.5	22.2	996	3	US-09-991-181-510	Sequence 510, App
24	247.5	22.2	996	3	US-09-990-444-510	Sequence 510, App
25	247.5	22.2	996	3	US-09-997-333-510	Sequence 510, App
26	247.5	22.2	996	3	US-09-992-598-510	Sequence 510, App
27	247.5	22.2	1239	3	US-10-000-489-25	Sequence 25, Appl
28	247.5	22.2	1608	3	US-09-949-016-2147	Sequence 2147, Ap
29	201.5	18.1	528	3	US-09-621-976-171	Sequence 171, App
30	187.5	16.8	599	3	5430019-1	Patent No. 5430019
31	183.5	16.4	1142	3	US-08-478-486F-11	Sequence 11, Appl
32	183.5	16.4	1142	3	US-09-605-304A-5	Sequence 5, Appl1
33	183.5	16.4	1219	6	PCT-US93-06251-11	Sequence 11, Appl
34	182	16.3	1220	3	US-09-949-016-7514	Sequence 2514, Ap
35	176.5	15.8	744	3	US-09-949-016-1109	Sequence 1109, Ap
36	176.5	15.8	744	3	US-09-949-016-2148	Sequence 2148, Ap
37	166.5	14.9	423	2	US-08-187-780-2	Sequence 2, Appl1
38	166.5	14.9	423	2	US-08-187-780-5	Sequence 5, Appl1
39	166.5	14.9	423	2	US-08-478-485-2	Sequence 2, Appl1
40	166.5	14.9	423	2	US-08-478-485-5	Sequence 5, Appl1
41	166.5	14.9	423	3	US-08-478-486F-2	Sequence 2, Appl1
42	166.5	14.9	423	3	US-08-478-486F-5	Sequence 5, Appl1
43	166.5	14.9	528	3	US-08-478-486F-10	Sequence 10, Appl
44	166.5	14.9	528	3	US-09-605-304A-4	Sequence 4, Appl1
45	166.5	14.9	618	3	US-08-478-486F-9	Sequence 9, Appl1

#### ALIGNMENTS

RESULT 1  
US-09-390-207-1  
; Sequence 1, Application US/09390207  
; Patent No. 6504530  
; GENERAL INFORMATION:  
; APPLICANT: Thomason, Arlen  
; TITLE OF INVENTION: Fibroblast Growth Factor-Like Polypeptides  
; FILE REFERENCE: 99-371  
; CURRENT APPLICATION NUMBER: US/09/390,207  
; CURRENT FILING DATE: 1999-09-07  
; NUMBER OF SEQ ID NOS: 41  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 1  
; LENGTH: 1190  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (142)..(771)  
US-09-390-207-1  
Alignment Scores:  
Pred. No.: 8.7e-81  
Score: 1116.00  
Percent Similarity: 100.00%  
Best local Similarity: 100.00%  
Query Match: 100.00%  
DB: 3  
Gaps: 0  
US-09-391-861-2 (1-209) x US-09-390-207-1 (1-1190)  
OY 1 MetAspSerAspArgIuThrGlyPheGluHisSerClyLeuTrpValSerValLeuAlaGly 20

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Db      142 ATGACCTGGAGCAGACCGGGTTGAGACTGAGACTGGTCTTCTGCTGGCTGGT 201
Qy      21 LeuLeuLeuGlyAlaCySGlnAlaHisProIleProAspSerProLeuGlnPhe 40
Db      202 CTTCTGCTGGAGCCTCCAGGCAACCCCATCTCTGACTCCAGTCTCTCTGCAATTC 261
Qy      41 GlyGlnGlnAlaArgGlnArgIleuTyThrAspAspAlaGlnGlnThrGlnAlaHis 60
Db      262 GGGGGCCCAAGTCCGGCAGCGGTACTCTACACAGATGATGCCACAGACAGAAAGCCAC 321
Qy      61 LeuGlnIleArgGlnAspGlyThrValGlyAlaAlaAspGlnSerProGlnSerIleu 80
Db      322 CTGAGATCAGGAGATGGAGACGATGGGGGCGCTGCTGACCAAGAGCCCGAAAGTCTC 381
Qy      81 LeuGlnLeuAlaAlaLeuSerProGlyValIleGlnIleLeuGlyValIleThrSerArg 100
Db      382 CTGACACTGAAAGCCTTGAAAGCCGGAGATTATTCAAATCTTGGAGTCAGACATCCAGG 441
Qy      101 PheLeuCySGlnArgProAspGlyAlaLeuTyArgIleuHisPheAspProGlnAla 120
Db      442 TTCCTGTGCACGGCCAGATGGGGCCTGTATGATGACTTCCACTTTCAGCCCTGAGGCC 501
Qy      121 CysSerPheArgGlnLeuLeuLeuGlnAlaAspGlyTyArgValIleGlnSerGlnAlaHis 140
Db      502 TGCACCTTCCGGGAGCTCTTCTTGAGAGACGATACAAATGTTTACCACTCCAGAGCCAC 561
Qy      141 GlyLeuProLeuHisLeuProGlyValAsnLysSerProHisArgAspProAlaProArgIle 160
Db      562 GGCCTCCCGCTGCACCTGCCAGGGAAACAATCCCCACACGGAGACCTTCCACCCCGAGGA 621
Qy      161 ProIlaArgPheLeuProLeuProGlyLeuProProAlaProProGlnProProGlyIle 180
Db      622 CCAGCTCGCTTCTCGCACTACCAAGGCTGCCCCCGCAGACCCCGAGGCCACCGGATC 681
Qy      181 LeuAlaProGlnProProAspValGlySerSerAspProLeuSerMetValGlyProSer 200
Db      682 CTGGCCCCCAGACCCCGATGTGGGCTCTCGGACCTCTGAGCATGTGGGACTTCC 741
Qy      201 GlnGlyArgSerProSerTyralaser 209
Db      742 CAGGGCCGAAGCCCGACGCTACGCTTCC 768

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RESULT 2
US-09-715-805-3
; Sequence 3, Application US/09715805
; Patent No. 6716626
; GENERAL INFORMATION:
; APPLICANT: Itoh, No. 6716626yuki
; APPLICANT: Kavanaugh, W. Michael
; TITLE OF INVENTION: HUMAN RGS-21 GENE AND GENE EXPRESSION
; FILE REFERENCE: PP-16758, 001/201130, 408
; CURRENT APPLICATION NUMBER: US/09/715, 805
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 643
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (9)...(638)
US-09-715-805-3

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Alignment Scores:
Pred. No.: 2 62e-80
Score: 1106.00
Percent Similarity: 99.52%
Best Local Similarity: 99.52%
Query Match: 99.10%
DB: 3
Gaps: 0

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US-09-391-861-2 (1-209) x US-09-715-805-3 (1-643)
Qy      1 MetAspSerAspGlyThrGlyPheGlyHisSerGlyLeuTyPValSerValLeuAlaGly 20
Db      9 ATGGAAGTCGAGAGACCGGGTTGAGACATCAGAGACTGTGGGTTCTGTGCTGGCTGGT 68
Qy      21 LeuLeuLeuGlyAlaCySGlnAlaHisProIleProAspSerProLeuGlnPhe 40
Db      69 CTTCTGCTGGAGCCTCCAGGCAACCCCATCTCTGACTCCAGTCTCTCTGCAATTC 128
Qy      41 GlyGlnGlnAlaArgGlnArgIleuTyThrAspAspAlaGlnGlnThrGlnAlaHis 60
Db      129 GGGGGCCCAAGTCCGGCAGCGGTACTCTTACACAGATGATGCCACAGACAGAAAGCCAC 188
Qy      61 LeuGlnIleArgGlnAspGlyThrValGlyAlaAlaAspGlnSerProGlnSerIleu 80
Db      189 CTGAGATCAGGAGATGGAGACGATGGGGGCGCTGCTGACCAAGAGCCCGAAAGTCTC 248
Qy      81 LeuGlnLeuAlaAlaLeuSerProGlyValIleGlnIleLeuGlyValIleThrSerArg 100
Db      249 CTGAGCTGAAAGCCTTGAAGCCGGAGATTATTCAAATCTTGGAGTCAGACATCCAGG 308
Qy      101 PheLeuCySGlnArgProAspGlyAlaLeuTyArgIleuHisPheAspProGlyAla 120
Db      309 TTCCTGTGCACGGCCAGATGGGGCCTGTATGATGCTTCCACTTTCAGCCCTGAGGCC 368
Qy      121 CysSerPheArgGlnLeuLeuLeuGlnAlaAspGlyTyArgValIleGlnSerGlnAlaHis 140
Db      369 TGCAGCTTCCGGGAGCTCTTCTTGAGAGACGATACAAATGTTTACCACTCCAGAGCCAC 428
Qy      141 GlyLeuProLeuHisLeuProGlyValAsnLysSerProHisArgAspProAlaProArgIle 160
Db      429 GGCCTCCCGCTGCACCTGCCAGGGAAACAATCCCCACACGGAGACCTTCCACCCCGAGGA 488
Qy      161 ProIlaArgPheLeuProLeuProGlyLeuProProAlaProProGlnProProGlyIle 180
Db      489 CCAGCTCGCTTCTCGCACTACCAAGGCTGCCCCCGCAGACCTCCCGAGGCCACCGGATC 548
Qy      181 LeuAlaProGlnProProAspValGlySerSerAspProLeuSerMetValGlyProSer 200
Db      549 CTGGCCCCCAGACCCCGATGTGGGCTCTCGGACCTCTGAGCATGTGGGACTTCC 608
Qy      201 GlnGlyArgSerProSerTyralaser 209
Db      609 CAGGGCCGAAGCCCGACGCTACGCTTCC 635

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RESULT 3
US-09-390-207-3
; Sequence 3, Application US/09390207
; Patent No. 6504530
; GENERAL INFORMATION:
; APPLICANT: Thomason, Arlen
; APPLICANT: Liu, Benxian
; TITLE OF INVENTION: Fibroblast Growth Factor-Like Polypeptides
; FILE REFERENCE: 99-371
; CURRENT APPLICATION NUMBER: US/09/390,207
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 649
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(630)
US-09-390-207-3

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Alignment Scores:
Pred. No.: 5 01e-56
Score: 803.50
Percent Similarity: 84.42%
Length: 649
Matches: 158
Conservative: 10

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Best Local Similarity: 79.40%  Mismatches: 30
Query Match: 72.00%  Indels: 1
DB: 3  Gaps: 1

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US-09-391-861-2 (1-209) x US-09-390-207-3 (1-649)

[illegible]

```

RESULT 4
US-09-715-805-1
: Sequence 1, Application US/09715805
: Patent No. 6716626
: GENERAL INFORMATION:
: APPLICANT: Itoh, No. 6716626yuki
: APPLICANT: Kavanaugh, W. Michael
: TITLE OF INVENTION: HUMAN RGF-21 GENE AND GENE EXPRESSION
: TITLE OF INVENTION: PRODUCTS
: FILE REFERENCE: JP-16758, 001/201130, 408
: CURRENT APPLICATION NUMBER: US/09/715, 805
: NUMBER OF SEQ ID NOS: 17
: SOFTWARE: PasteSeq for Windows Version 4.0
: SEQ ID NO 1
: LENGTH: 659
: TYPE: DNA
: ORGANISM: Mus musculus
: FEATURE:
: NAME/KEY: CDS
: LOCATION: (14)...(646)
US-09-715-805-1

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Alignment Scores:	5.1e-56	Length:	655
Pred. No.:	803.50	Matches:	156
Score:	84.42%	Conservative:	10

Best Local Similarity:	79.40%	Mismatches:	3
Query Match:	72.00%	Indels:	1
DB:	3	Gaps:	1

US-09-391-861-2 (1-209) x US-09-715-805-1 (1-659)

QY	1	GIyleuNtrpAlser---ValleuNlaGIyleuLeuNleuGIyAlaCyseGlnIlaNhspro	30
Db	47	GGAGCTGGGGTCCGACGTGCTGTGGCTGTCTTCTCTGGGGGTCTACCAAGCATACCCC	10
QY	31	IlleProAspSerSerProleuLeuGlnPheGlyGIyGlnValArgGlnArgTyrLeuTyr	50
Db	107	ATCCCTGATCTCCAGCCCCCTCTCCAGTTTGGGGGTCMAAGTCGGGAGAGTACTCTTAC	16
QY	51	ThlrAspAlaGlnGlnIlnThrGlnAlaIleValleuGlnIleArgGlnAspGlyIlnThrValGIy	70
Db	167	ACAAATACCAACCAAGCACTGAAGCCCACTGGAAATCAGAGGAGATGAACAGTGTGA	22
QY	71	GIyAlaIlaIlaAspGlnSerProGlnSerLeuGlnLeuValaLeuLysProGlyVal	90
Db	227	GGCCGACACACCGCGACTCCAAAGATGCTCTGGAGCTCAAGACCTTGAAAGCCAGGGGTC	28
QY	91	IleGlnIleLeuGIyAllylThrSerArgPheLeuCyseGlnAspProAspGlyAlaLeu	11
Db	287	ATTCMAATCCGGGGTGCMAAGCCTGAGGTTTCTTTGCCAACGSCAGATGAGAGTCTC	34
QY	111	TyrGlySerLeuIlnPheAspProGlnAlaCyseSerPheArgGluLeuLeuLeuGlnAsp	13
Db	347	TATGAGTCGGCTCATTTGATCTCTGAGGCTCGACGCTTACAGAACTCGCTGGAGGAC	40
QY	131	GIyIlyrAsnAlaTyrGlnSerGlnAlaIleGlyLeuProLeuIlnIleuProGlyAsnLys	15
Db	407	GGTTCACATGTCATCCAGTGAAGGCCACAGGCTCCCTCGCTGGCTCCAGAAAGAC	46
QY	151	SerProIlnAspAspProAlaProArgGlyProAlaArgPheLeuProLeuProGlyLeu	17
Db	467	TCGCCAAACAGAGTGAACATCTCGGGGACCTGTGCGCTTCTGTCACATGCAAGGCTCG	52
QY	171	ProoProAlaProProGluProProGlyIleLeuAlaProGlnProProAspValGIySer	19
Db	527	CTCCACAGAGCCCAAGACCAAGCAGGATTCCTGCCCCCAGAGCCCCCAATGTGGGCTTC	58
QY	191	SerAspProLeuSerMetValGIyProSerGlnGIyArgSerProSerTyrAlaSer	209
Db	587	TCGACCCCTCGAGCATGTGAGACCTTTTACAGAGGCCCAAGCCCACTATGCTGC	643

```

, RESULT 5
, US-09-665-493B-6
, Sequence 6, Application US/09665493B
, Patent No. 6943153
, GENERAL INFORMATION:
, APPLICANT: Manning, William C., Jr.
, APPLICANT: Dwaraki, Varavani J.
, APPLICANT: Rendahl, Katherine
, APPLICANT: Zhou, Shang-Zhen
, APPLICANT: McGee, Laura H.
, APPLICANT: Lau, Dana
, APPLICANT: Flannery, John G.
, APPLICANT: Miller, Sheldon
, APPLICANT: Wang, Fei
, APPLICANT: Di Folio, Adriana
, TITLE OF INVENTION: USE OF RECOMBINANT GENE DELIVERY VECTORS
, TITLE OF INVENTION: FOR TREATING OR PREVENTING DISEASES OF THE EYE
, FILE REFERENCE: P15188.005 (20263, 40)
, CURRENT APPLICATION NUMBER: US/09/665,493B
, CURRENT FILING DATE: 2000-09-20
, NUMBER OF SEQ ID NOS: 12
, SOFTWARE: FastSeq for Windows Version 4.0

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; LENGTH: 659
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-665-493B-6

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Score:	5.1e-56	Length:	65
Percent Similarity:	803.50	Matches:	150
Best Local Similarity:	84.42%	Conservative:	10
Query Match:	79.40%	Mismatches:	30
DB:	72.00%	Indels:	1

US-09-391-861-2 (1-209) x US-09-665-493B-6 (1-659

QY 12 GYLeuTTPValSer---ValLeuAlaGlyLeuLeuLeuGlyAlaCySGlnAlaHisPro 30  
 Db ...:  
 47 GGACGTGGGGTCCACAGCTGCGTGGCTGCTTCTTCGTGGGGGTCTACCAAGATATACCC 100  
 QY 31 ILeProAspSerSerProLeuLeuLeuGlnPheGlyGlyGlnValArgGlnArgTyrLeuTyr 50  
 Db 107 ATCCCTGACTCCAGCCCCCTCTCCAGATTGGGGGTCAATCCGGAGAGGTACTCTTAC 166  
 QY 51 ThrAspPheAlaGlnGlnThrGlnAlaHisLeuGlnLileArgGlnAspGlyThrValGly 70  
 Db 167 ACGAGTAGACCAACAGACACTGMAAGCCACTGGAGTACGAGGAGATGAAGAAAGTGGTA 226  
 QY 71 GYAlaAlaAspGlnSerProGlnSerLeuLeuLeuGlnLeuValAlaLeuTyrProGlyVal 90  
 Db 227 GGCGGACGACACCCGACAGTCCAGAAAGTCTCTGAGACTCAAGCCTTGAAACCGAGGGTCT 286  
 QY 91 ILeGlnIleLeuGlyValTyrThrSerArgPheLeuCySGlnArgProAspGlyAlaLeu 110  
 Db 287 ATTCAAACTCCGGGTGTCAAAGCCTCTAGTTCTTTTTCGCAACAGCCAGATGAGCTTCTC 346  
 QY 111 TyrGlySerLeuHisPheAspProGlnAlaCySerPheArgGlnLeuLeuLeuGlnLys 130  
 Db 347 TATGGATGGCTCACTTGAATCTCTGAGGCTGTCAGACTTCAGAGAATCGCTCGTGAAGAC 406  
 QY 131 GlyTyrAsnValTyrGlnSerGlnAlaHisGlyLeuProLeuHisLeuProGlyAsnLys 150  
 Db 407 GGTTCACATGTGTACCAAGTCAACCCATCGCTGCCCTCTGGCTGTGCTTACGAAAGAC 466  
 QY 151 SerProHisArgAspProAlaProArgLysProAlaArgPheLeuProLeuProGlyLeu 170  
 Db 467 TCCCCAAACGAGGATCAACATCTCGGGACCTGTGGCTTCTCTGCCATCCAGGCTTG 526  
 QY 171 ProProAlaProProGlnLysProGlyTyrLeuAlaProGlnProProAspValGlySer 190  
 Db 527 CTCACAGAGCCCCAAGACCAAGACGAGATTCTCTCCCCAGAGCCCCACGATGGGGCTCC 586  
 QY 191 SerAspProLeuSerMetValGlyProSerGlnGlyArgSerProSerTyrAlaSer 209  
 Db 587 TCTGACCCCCCTGACATGTATGAGCCTTTTACAGGGCCGAAAGCCCCACATATGCTCC 643

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1 LOCATION: 169..252
2 /
3 / OTHER INFORMATION: Von Heijne mat
4 /
5 / OTHER INFORMATION: score 11.30000
6 /
7 / NAME/KEY: misc_feature
8 /
9 / LOCATION: 207
10 /
11 / OTHER INFORMATION: n=a, g, c o r t
12 /
13 US-09-621-976-1353

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Alignment Scores:  
Pred. No.:

Score:	7.84e-32	Length:	500.00
Percent Similarity:	98.06%	Matches:	Conservative:
Best Local Similarity:	98.06%	Mismatches:	Indels:
Query Match:	44.80%	Gaps:	
DB:	3		

NY 100-85821-976-1353 (1-477)

Db 169 ATGACTCCGACGAAACCGGGTTGGACACTCMGGGCTNCGGGTTTCTGTGCTGGCTGT 20  
Qy 21 LeuLeuLeuGlyValaCyvGlnAlaHisProIleProAspSerSerProLeuLeuInphe 40  
Db 229 CTTTGTGTGGAGGCTGTCCACGACACCCCATCCCTGAATCCAGTCTCTCTCTGCAATTC 280  
Qy 41 GlyGlyGlnValaArgGlnaArgTyrLeuTyrThraPaspAlaGlnGlnnthGluAlaHis 60  
Db 289 GGGGGCCCAAGTCCGGCAGCGGTACTCTACACAGATGAGTCCCAACAACGAAGCCAC 348  
Qy 61 LeuGlnIleArgGluAspGlyThrValGlyGlyValaalaAspGlnSerProGluSerLeu 80  
Db 349 CTGAGAGTCAAGGAGAGATGGACGGTGGGGGCGCGCTGTACACAGAGCCCGAAAGHSTC 408  
Qy 81 LeuGlnIleuGlyValaLeuGlyProGlyValaIleGlnIleuGlyValaLysThrSerArg 100  
Db 409 CTCGACGTGAASC-TTGAAGCCGGGAGATTATTCAAATCTTGGGAGTCMAAGACATCCAG 147  
Qy 101 PheLeuCys 103  
Db 468 TTCTCTGTC 476

US-09-94

Sequence 2335, Application US/09949016  
Patent No. 6812339  
GENERAL INSTRUCTIONS

APPLICANT: VENTURE

TITLE OF INVENTION: POLYMORPHISMS

TITLE OF INVENTION: WITH HUMAN GENES ASSOCIATED  
FILE REFERENCE: CLO01307  
CURRENT APPLICATION NUMBER: 98-6511

CURRENT FILING DATE: 2000-04-14

PRIOR APPLICATION NUMBER: 60/241,755

PRIOR APPLICATION NUMBER 2000-10-20

PRIOR FILING DATE: 2000-10-03

PRIOR APPLICATION NUMBER: 60/231,498

NUMBER OF SEQ ID NOS: 2000-09-08

SOFTWARE: FASTSEO for Windows "v1.0"

SEQ ID NO 2335

LENGTH: 651  
TYPE: DNA

\*\*\*: DNA  
ORGANISM: Human

JS-09-949-016-2335

1100

agreement scores:  
red. No.:

	Length
core:	1.88e-13
	373.00

percent Similarity:	2/3.00	Matche
	49.53%	Ca

Local Similarity: 36.79%

100





US-09-905-125A-58  
Sequence 58, Application US/09905125A  
Patent No. 6664376  
GENERAL INFORMATION:  
APPLICANT: Genentech, Inc.  
APPLICANT: Ashkenazi, Avi  
APPLICANT: Botstein, David  
APPLICANT: Deoxyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Fong, Sherman  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, A.  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, Christopher J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Hillan, Kenneth, J.  
APPLICANT: Kijavlin, Ivar J.  
APPLICANT: Mather, Jennie P.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Williams, P. Mickey  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: 10466-14  
CURRENT APPLICATION NUMBER: US/09/905,125A  
PRIOR APPLICATION NUMBER: 2001-07-12  
PRIOR FILING DATE: 2000-02-22  
PRIOR APPLICATION NUMBER: US 60/143,048  
PRIOR FILING DATE: 1999-07-07  
PRIOR APPLICATION NUMBER: US 60/145,698

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1 PRIOR FILING DATE: 1999-07-26
2 PRIOR APPLICATION NUMBER: US 60/146,222
3 PRIOR FILING DATE: 1999-07-28
4 PRIOR APPLICATION NUMBER: PCT/US99/20594
5 PRIOR FILING DATE: 1999-09-08
6 PRIOR APPLICATION NUMBER: PCT/US99/20944
7 PRIOR FILING DATE: 1999-09-13
8 PRIOR APPLICATION NUMBER: PCT/US99/21090
9 PRIOR FILING DATE: 1999-09-15
10 PRIOR APPLICATION NUMBER: PCT/US99/21547
11 PRIOR FILING DATE: 1999-09-15
12 PRIOR APPLICATION NUMBER: PCT/US99/23069
13 PRIOR FILING DATE: 1999-10-05
14 PRIOR APPLICATION NUMBER: PCT/US99/28214
15 PRIOR FILING DATE: 1999-11-29
16 PRIOR APPLICATION NUMBER: PCT/US99/28313
17 PRIOR FILING DATE: 1999-11-30
18 PRIOR APPLICATION NUMBER: PCT/US99/28564
19 PRIOR FILING DATE: 1999-12-02
20 PRIOR APPLICATION NUMBER: PCT/US99/28565
21 PRIOR FILING DATE: 1999-12-02
22 PRIOR APPLICATION NUMBER: PCT/US99/30095
23 PRIOR FILING DATE: 1999-12-16
24 PRIOR APPLICATION NUMBER: PCT/US99/30911
25 PRIOR FILING DATE: 1999-12-20
26 PRIOR APPLICATION NUMBER: PCT/US99/30999
27 PRIOR FILING DATE: 1999-12-20
28 PRIOR APPLICATION NUMBER: PCT/US00/00219
29 PRIOR FILING DATE: 2000-01-05
30 NUMBER OF SEQ ID NOS: 423
31 SEQ ID NO 58

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Alignment Scores:			
Pred. No.:	7.94e-13	Length:	2137
Score:	273.00	Matched:	78
Percent Similarity:	49.53%	Conservative:	27
Best Local Similarity:	36.79%	Mismatch:	81
Query Match:	24.46%	Indels:	26
DB:	3	Gaps:	9
US-09-391-861-2 (1-209) x US-09-905-125A-58 (1-2137)			
QY	11 SerGlyLeuTrpValSerValLeuLacIylLeuLeuGlValaCySGlnAlaHisPro		
DB	503 GCCGGCCTCGGTGGCCGCTG---GCCGGGGCCCCCTCCGCTC-----		
QY	31 IleProAspSerSerProLeuLeuGlnPhe-----GlyGlyGlnValArgGlnArgTyr		
DB	542 TTCTCGAGACGGGGGCCCGACAGTCACCTACCGGCTGGGGGACCCCAATCGCTGGGGCAC		
QY	49 LeuTyrThrAspAspAlaGln---GlnThrGlnAlaHisLeuGlnIylLeuArgGlnAspGly		
DB	602 CTGTACACCTCGGGCCCCACGGGCTCTCCAGCTGCTTCCTCGCATCGCTGCCGACAGGC		
QY	68 ThrValGlyGlyAlaAlaAspGlnSerProGlnSerLeuLeuGlnLeuValAlaLeuLys		
DB	662 GTCTGACAGTCGGGGCGGGCGGACAGACGGGCACAGCTTCTCGAGATCAAGGACAGTGGCT		
QY	88 ProGlyValIleGlnIleLeuGlyValIylThrSerArgPheLeuCySGlnArgProAsp		
DB	722 CTGGGACCGTGGCCATCAAGGCGCGTGCACAGCGCTGCGTACTCTCGATGGGCGCCGAC		
QY	108 G1ValLeuTyrGlySerLeuHisAspAspProGlnLacCySerPheArgGlyLeuLeu		
DB	782 GCGAAGATACAGGGCTGCTTCAGTACCTCGGAGGAACACTGTCTTTCAGAGGAGGATC		
QY	128 LeuGlnAspGlyTyrAsnValTyrGlnSerGlyAlaHisGlyLeuProLeuHisLeuPro		
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Qy	167	-----LeuPProGlyLeuPProBrolaAProProGluPProGlyIle-----	180
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Qy	181	-----LeuAlaPProGlnPProPheValGlySerSerAspProLeuSerNet	196
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Dd	1070	GTCACCGGACCTGGAGAGCCGCTGAGAGTCCGACTTT	1105
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US-09-902-775A-58			
Sequence 58, Application US/09902775A			
Patent No. 6686451			
GENERAL INFORMATION:			
APPLICANT: Genentech, Inc.			
APPLICANT: Ashkenazi, Avi			
APPLICANT: Botstein, David			
APPLICANT: Desnoyers, Luc			
APPLICANT: Eaton, Dan L.			
APPLICANT: Ferrara, Napoleone			
APPLICANT: Flivaroff, Ellen			
APPLICANT: Fong, Sherman			
APPLICANT: Gao, Wei-Qiang			
APPLICANT: Gerber, Hanspeter			
APPLICANT: Gerritsen, Mary E.			
APPLICANT: Goddard, A.			
APPLICANT: Godowski, Paul J.			
APPLICANT: Grimaldi, Christopher J.			
APPLICANT: Gurney, Austin L.			
APPLICANT: Hillan, Kenneth, J.			
APPLICANT: Kljavin, Ivar J.			
APPLICANT: Mather, Jennie P.			
APPLICANT: Pan, James			
APPLICANT: Paoni, Nicholas F.			
APPLICANT: Roy, Margaret Ann			
APPLICANT: Stewart, Timothy A.			
APPLICANT: Tumas, Daniel			
APPLICANT: Williams, P. Mickey			
APPLICANT: Wood, William, I.			
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic			
FILE REFERENCE: 1046-14			
CURRENT APPLICATION NUMBER: US/09/902,775A			
CURRENT FILING DATE: 2001-07-10			
PRIOR APPLICATION NUMBER: PCT/US00/04414			
PRIOR FILING DATE: 2000-02-22			
PRIOR APPLICATION NUMBER: US 60/143,048			
PRIOR FILING DATE: 1999-07-07			
PRIOR APPLICATION NUMBER: US 60/145,696			
PRIOR FILING DATE: 1999-07-26			
PRIOR APPLICATION NUMBER: US 60/146,222			
PRIOR FILING DATE: 1999-07-28			
PRIOR APPLICATION NUMBER: PCT/US99/20594			
PRIOR FILING DATE: 1999-09-08			
PRIOR APPLICATION NUMBER: PCT/US99/20944			
PRIOR FILING DATE: 1999-09-13			
PRIOR APPLICATION NUMBER: PCT/US99/21050			
PRIOR FILING DATE: 1999-09-15			
PRIOR APPLICATION NUMBER: PCT/US99/21547			
PRIOR FILING DATE: 1999-09-15			
PRIOR APPLICATION NUMBER: PCT/US99/23089			
PRIOR FILING DATE: 1999-10-05			
PRIOR APPLICATION NUMBER: PCT/US99/28214			
PRIOR FILING DATE: 1999-11-29			
PRIOR APPLICATION NUMBER: PCT/US99/28313			

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QY	49 LeuTyThrAspAlaGln---GlnThrGlnAlaHisLeuGlnIleArgGlnArgGly		Gaps:	9
Db	602 CTGTAACACTCGGGCCCCCAGGGGCTCTCAGCTGCTTCCTGGATCGGTGGCGGCGG			
QY	68 ThrValGlyGlyAlaAlaAspGlnSerProGlnSerLeuLeuGlnLeuValLeuLys			
Db	662 GTCGTGACCTCGCGCGGGCGGCGCAGCGCCGCACTGTTGGTGGAGATCAAGGCACGTGCT			
QY	88 ProGlyValIleGlnIleLeuGlyValLysThrSerArgPheLeuCySGlnArgProAsp			
Db	722 CTCGGGACCGGGCCCATTAAGGCGCTGCACAGCGTGGCTATCTTGCACTGGGCGCCGAC			
QY	108 GlyAlaLeuTyTrpGlySerLeuHisPheAspProGlnAlaCySerPheArgGlnLeuLeu			
Db	782 GCGAAGATGCAGGGGGCTCTTCAGTACTCGGAGGAAGACTGTGCTTTGGAGAGGAGATC			
QY	128 LeuGlnAspGlyTyTrpAsnValTyTrpGlnSerGlnAlaHisGlyLeuProLeuHisLeuPro			
Db	842 CGCCACAGTGGCTCAATGTGTACCGATCCAGAACGACCGGCTCCGGTCTCCCTGAGC			
QY	148 GlyAsnLysSerProHisArgAspProAlaProArgGlyProAlaArgPheLeuPro---			
Db	902 AGTCCCAAAACG---CGGACGCTGTACAAAGAACAGAGC-----TTTCTTCACCTC			
QY	167 -----LeuProGlyLeuProProAlaProProGlnProProGlyLe-----			
Db	950 TCTCATTTCTCGGCCCATGCTGCTCCATGTCTCCAGAGAGGCTGAGAGACTCAGGGGCCAC			
QY	181 -----LeuAlaProGlnProProAspValGlySerSerAspProLeuSerMet			
Db	1010 TTGGAATCTGACATGTTCTTCTTCGCCCCCTGGAGACCGACAGCATGAGACCATTTGGCTT			
QY	197 Val---GlyProSerGlnGlyArgSerProSerTy			
Db	1070 GTCAACCGGACTGAGGCGGTAGGAGATGTCCACGTTT			

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! TYPE: DNA
! ORGANISM: Homo sapiens
US-09-906-700-58
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Gaps: 9

OS-09-906-700-58 (1-2137)

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602 CTGTACACCTCAGGCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC  
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CTGTACACCTCAGGCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC

VV LILVALGLYLAALASPGLINSErPROGLUSErLEUENG]NLEULVEA]ET

88 *Proctos...* 721

722 CTGCGACCGTGCCATCAAGGCGTGCACAGCGCGCGTCTCTT

[illegible]

128 leucg]uAaNCj\Tt,uXx-? -  
.....CGGAGATC 841

842 CGCCAGATGCTACATGTGTACCGATCCGAGAAGCATTCCTTCCCCC

000  
|||  
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|||

glnpflvmlapioatrgglyproalaargpheleupro--- 166

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167 -----leuProgl'vleuProbn1'-----
          .....ccallc 949
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1010  ::: |||
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197 Val---GlyProSerGlnGlyArgSerProSerThr 307

...GAGGAGTCCCGACTTT 1105

sequence 58, Application ms/0000000000.

APPLICANT: Genentech

APPLICANT: Botstein, David

APPLICANT: Ferrara, Napoleone

APPLICANT: Gao, Wei-Qi and Gao, Wei-Qi

```

      : APPLICANT: Gerritsen, Mary E.
      : APPLICANT: Goddard, A.
      : APPLICANT: Godowski, Paul J.
      : APPLICANT: Grimaldi, Christopher J.
      : APPLICANT: Gurney, Austin L.
      : APPLICANT: Hillan, Kenneth J.
      : APPLICANT: Kijavlin, Ivar J.
      : APPLICANT: Mather, Jennie P.
      : APPLICANT: Pan, James
      : APPLICANT: Paonli, Nicholas F.
      : APPLICANT: Roy, Margaret Ann
      : APPLICANT: Stewart, Timothy A.
      : APPLICANT: Tumas, Daniel
      : APPLICANT: Williams, P. Mickey
      : APPLICANT: Wood, William, I.
      TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
      FILE REFERENCE: GNE.1618P2C12
      CURRENT APPLICATION NUMBER: US/09/903.603A
      CURRENT FILING DATE: 2001-07-11
      PRIOR APPLICATION NUMBER: PCT/US00/04414
      PRIOR FILING DATE: 2000-02-22
      PRIOR APPLICATION NUMBER: US 60/143,048
      PRIOR FILING DATE: 1999-07-07
      PRIOR APPLICATION NUMBER: US 60/145,658
      PRIOR FILING DATE: 1999-07-26
      PRIOR APPLICATION NUMBER: US 60/146,222
      PRIOR FILING DATE: 1999-07-28
      PRIOR APPLICATION NUMBER: PCT/US99/20594
      PRIOR FILING DATE: 1999-09-08
      PRIOR APPLICATION NUMBER: PCT/US99/20944
      PRIOR FILING DATE: 1999-09-13
      PRIOR APPLICATION NUMBER: PCT/US99/21090
      PRIOR FILING DATE: 1999-09-15
      PRIOR APPLICATION NUMBER: PCT/US99/21547
      PRIOR FILING DATE: 1999-09-15
      PRIOR APPLICATION NUMBER: PCT/US99/23089
      PRIOR FILING DATE: 1999-10-05
      PRIOR APPLICATION NUMBER: PCT/US99/28214
      PRIOR FILING DATE: 1999-11-29
      PRIOR APPLICATION NUMBER: PCT/US99/28313
      PRIOR FILING DATE: 1999-11-30
      PRIOR APPLICATION NUMBER: PCT/US99/28564
      PRIOR FILING DATE: 1999-12-02
      PRIOR APPLICATION NUMBER: PCT/US99/28565
      PRIOR FILING DATE: 1999-12-02
      PRIOR APPLICATION NUMBER: PCT/US99/30095
      PRIOR FILING DATE: 1999-12-16
      PRIOR APPLICATION NUMBER: PCT/US99/30911
      PRIOR FILING DATE: 1999-12-20
      PRIOR APPLICATION NUMBER: PCT/US99/30999
      PRIOR FILING DATE: 1999-12-20
      PRIOR APPLICATION NUMBER: PCT/US00/00219
      PRIOR FILING DATE: 2000-01-05
      NUMBER OF SEQ ID NOS: 423
      SEQ ID NO 58
      : LENGTH: 2137
      : TYPE: DNA
      : ORGANISM: Homo sapiens
      US-09-903-603A-58

Alignment Scores:
Pred. No.:          7,94e-13              Length:        2137
Score:             273.00                 Matches:         78
Percent Similarity: 49.53%                Conservative:    27
Best Local Similarity: 36.79%               Mismatches:     81
Query Match:       24.46%                  Indels:         26
DB:                               Gaps:           9
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Dd		602 CTGTAACACTCCGGGCCCCCACCAGGGCTCTCCAGCTGCTTCTGGGCATCCGTGCCAGCGC	661
Oy		68 ThrValGLYglYalaaLaaspGlnSerProGlnSerLeuLeuGlnLeuValaLeuLys	87
Dd		662 GTCCGTGACCTCGCGGGGGGCGACAGCGCGACAGTTGTGCTGGAGATCAAAGCAGTGCGT	721
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Dd		722 CTCGGACCCGGGGCCATCAAGGGGCGTGCACAGCTGTGATCCCTTCATGGGCGCGCAC	781
Oy		108 GLYlaLeuTYrGLYserLeuHisPheAspProGluLaCYsserPheArgGluLeuLeu	127
Dd		782 GGCAAAGATGACAGGGGCTGCTTCACTACTCCGAGGAACACTGTGCTTTCGAGAGAGATC	841
Oy		128 LeuGluAspGlyTYrAsnValTYrGlnSergLualHisGLYLeuProLeuHIleuPro	147
Dd		842 CGCCCAATGCTGCTCAATTGTATCCAGTCCAGAAGACACCGCTCCCGGTCCCTTAGC	901
Oy		148 GlyAnLYserProHIlsArgAspProAlaProArgLYProAlaArgPheLeuPro--	166
Dd		902 AGTCCCAACAG--CGGCAGCTGTACAAACACAGAGC-----TTTCTTCCACTC	949
Oy		167 -----LeuProGlyLeuProProAlaProProGluProProGlyIle-----	180
Dd		950 TCTCATTTCTCGCCCATGCTGCCATGTCTCCAGAGAGAGCTTAGACCTCAGGGGCGAC	1009
Oy		181 -----LeuaLaProGlnInProProAspValGlySerSerAspProLeuSerMet	196
Dd		1010 TTGGAATCTGACATGTTCTCTTCGCCCTCGAGAACCGACAGCATGACCCATTGGGCTT	1069
Oy		197 Val---GlyProSerGlnGlyArgSerProSerTYr	207
Dd		1070 GTCACCGAGCTGAGCGCGTAGAGAGTCCACAGCTTT	1105
 RESULT 13 US-09-904-920A-58 ; Sequence 58, Application US/0904920A ; Patent No. 6806352 GENERAL INFORMATION: APPLICANT: Genentech, Inc. APPLICANT: Ashkenazi, Avi APPLICANT: Botstein, David APPLICANT: Deenoyers, Luc APPLICANT: Eaton, Dan L. APPLICANT: Ferrara, Napoleone APPLICANT: Filvaroff, Ellen APPLICANT: Fong, Sherman APPLICANT: Gao, Wei-Qiang APPLICANT: Gerber, Hanspeter APPLICANT: Gerritsen, Mary E. APPLICANT: Goddard, A. APPLICANT: Godowski, Paul J. APPLICANT: Grimaldi, Christopher J. APPLICANT: Gurney, Austin L. APPLICANT: Hillan, Kenneth, J. APPLICANT: Kijavlin, Ivar J. APPLICANT: Mather, Jennie P. APPLICANT: Pan, James APPLICANT: Paoni, Nicholas F. APPLICANT: Roy, Margaret Ann APPLICANT: Stewart, Timothy A. APPLICANT: Tumas, Daniel APPLICANT: Williams, P. Mickey APPLICANT: Wood, William, I. TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic			

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Qy      108  GYALALEuTYGlySerLeuH1aPheAapProGluA1aCySerPheArgIuLeu 127
Db      782  GGCAAGATGACGAGGGCGTCCGTCTTCACTACTCGAGGAAGACTGCTTTGAGAGAGAAATC
Qy      128  LeuGIuAapGlyTYTaanV1aTYGlnSerGluA1aH1aGlyLeuProLeuH1aLeuPro 147
Db      842  GCGCCAGATGCTTCAATATGTGAACCATCCGAGAGACACCGCCCTCCGCTCCCTGAC
Qy      148  GlyslnlySerProH1aArgAapProA1aProArgGlyProA1aArgPheLeuPro--- 166
Db      902  AGTCCAAACAG---CGGCAGCTGACAAAGAACAGAGCC-----TTTCTTCCACTC
Qy      167  -----LeuProGlyLeuProProA1aProProGluProArgIuLeu----- 180
Db      950  TCTCATTTCTCGTCCCATGTGCTCCATGGTCCCAAGAGAGCTTGAAGACCTCAGGGCCAC
Qy      181  -----LeuA1aProGlnProProAapValGlySerSerAapProLeuSerMet 196
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/ Patent No. 6818449
/ GENERAL INFORMATION:
/ APPLICANT: Genentech, Inc.
/ APPLICANT: Ashkenazi, Avi
/ APPLICANT: Bocstein, David
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Eaton, Dan L.
/ APPLICANT: Ferrara, Napoleone
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Fong, Wei-Shuan
/ APPLICANT: Gerber, Hanspeter
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, A.
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Grimaldi, Christopher J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Hillan, Kenneth J.
/ APPLICANT: KJawin, Ivar J.
/ APPLICANT: Mather, Jennie P.
/ APPLICANT: Pan, James
/ APPLICANT: Paoni, Nicholas F.
/ APPLICANT: Roy, Margaret Ann
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Thomas, Daniel
/ APPLICANT: Williams, P. Mackey
/ APPLICANT: Wood, William, I.
/ TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
/ FILE REFERENCE: 10466-14
/ CURRENT APPLICATION NUMBER: US/09/909,064
/ PRIOR FILING DATE: 2001-07-18
/ PRIOR APPLICATION NUMBER: PCT/US00/04414
/ PRIOR FILING DATE: 2000-02-22
/ PRIOR APPLICATION NUMBER: US 60/143,048
/ PRIOR FILING DATE: 1999-07-07
/ PRIOR APPLICATION NUMBER: US 60/145,698
/ PRIOR FILING DATE: 1999-07-26
/ PRIOR APPLICATION NUMBER: US 60/146,222
/ PRIOR FILING DATE: 1999-07-28
/ PRIOR APPLICATION NUMBER: PCT/US99/20594
/ PRIOR FILING DATE: 1999-09-08
/ PRIOR APPLICATION NUMBER: PCT/US99/20944
/ PRIOR FILING DATE: 1999-09-08

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GenCore version 5.1.6  
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Run on: November 28, 2005, 11:00:31 ; Search time 159.618 Seconds

(without alignments)  
2327.495 Million cell updates/sec

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Searched: 1303057 seqs, 888780828 residues

Word size: 1

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Post-processing: Listing first 45 summaries

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9:	/cgnt_6/ptodata/1/ina/backfile1.seq.*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

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2	173	82.8	643	3	US-09-715-805-3
3	79	37.8	477	3	US-09-621-976-1353
4	30	14.4	649	3	US-09-390-207-3
5	30	14.4	659	3	US-09-715-805-1
6	30	14.4	659	3	US-09-665-493B-6
7	10	4.8	15945	3	US-09-949-016-17271
8	9	4.3	454	3	US-09-902-540-6951
9	9	4.3	601	3	US-09-949-016-142950

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	11	9	4.3	1686	3	US-10-104-047-1645	Sequence 1645, App
	12	9	4.3	3891	3	US-09-902-540-601	Sequence 601, App
	13	9	4.3	39552	3	US-09-949-016-11799	Sequence 11799, A
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C	15	9	4.3	265038	3	US-09-949-016-15779	Sequence 15779, A
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C	19	8	3.8	371	3	US-09-072-967-242	Sequence 242, App
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C	21	8	3.8	371	3	US-10-084-843-242	Sequence 242, App
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C	35	8	3.8	601	3	US-09-949-016-115431	Sequence 115431, A
C	36	8	3.8	601	3	US-09-949-016-122512	Sequence 122512, A
C	37	8	3.8	601	3	US-09-949-016-122513	Sequence 122513, A
C	38	8	3.8	601	3	US-09-949-016-140328	Sequence 140328, A
C	39	8	3.8	601	3	US-09-949-016-140329	Sequence 140329, A
C	40	8	3.8	601	3	US-09-949-016-140330	Sequence 140330, A
C	41	8	3.8	601	3	US-09-949-016-150194	Sequence 150194, A
C	42	8	3.8	601	3	US-09-949-016-155229	Sequence 155229, A
C	43	8	3.8	601	3	US-09-949-016-179043	Sequence 179043, A
C	44	8	3.8	601	3	US-09-949-016-179044	Sequence 179044, A
C	45	8	3.8	601	3	US-09-949-016-198367	Sequence 198367, A

## ALIGNMENTS

RESULT 1  
US-09-390-207-1  
; Sequence 1, Application US/09390207  
; Patent No. 6504530  
; GENERAL INFORMATION:  
; APPLICANT: Thomason, Arlen  
; TITLE OF INVENTION: Fibroblast Growth Factor-Like Polypeptides  
; FILE REFERENCE: 99-371  
; CURRENT APPLICATION NUMBER: US/09/390,207  
; CURRENT FILING DATE: 1999-09-07  
; NUMBER OF SEQ ID NOS: 41  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 1  
; LENGTH: 1190  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (142)..(771)  
US-09-390-207-1

Alignment Scores:  
Pred. No.: 1.67e-192  
Score: 209.00  
Percent Similarity: 100.00%  
Best local Similarity: 100.00%  
Query Match: 100.00%  
DB: 3  
Gaps: 0

US-09-391-861-2 (1-209) x US-09-390-207-1 (1-1190)  
OY 1 MetAspergeraGrUthrGlypneGlnHisSerGlyLeuTrpValSerValLeuAlaGly 20

142 ATGACCTGAGACGAGCCGGGTTGAGCACTGAGGAGCTGCTGGCTTCTGCTGGCTGGT 201  
QY 21 LeuLeuLeuGlyAlaCysGlnAlaHisProIleProAspSerSerProLeuLeuGlnPhe 40  
Db 202 CTTTGTGCTGGAGCTGCGACGACGCCACCCCTCACTCCAGCTCTCTCCGCAATTTC 261  
QY 41 GlyGlyGlnValArgGlnArgGlyLeuTyrThrAspAspAlaGlnGlnThrGlnAlaHis 60  
Db 262 GGGGGCCAAAGTCCGGGACGGGTACCTCTACACAGATGATGCCAGAGACAGAAAGCCAC 321  
QY 61 LeuGlnIleArgGlnAlaArgGlyTyrValGlyValAlaAspGlnSerProGlyUserLeu 80  
Db 322 CTGAGATCAAGGAGAGATGGAGCGGTGGGGGGGCTGCTGACACAGAGCCCGAAAGTCTC 381  
QY 81 LeuGlnIleArgGlnAlaLeuLysProGlyValAlaGlnIleLeuGlyValLysThrSerArg 100  
Db 382 CTGAGCTGAAAGCTTGAAAGCCGGGAGTTATTCAATCTTGGAGTCAAGACATCCAG 441  
QY 101 PheLeuCysGlnArgProAspGlyAlaLeuTyrGlySerLeuHisPheAspProGlyAla 120  
Db 442 TTCTGTGCGACGCGCCAGATGGGCTCTGTATGATCGCTCACTTGACCTGAGGCC 501  
QY 121 CysSerPheArgGlyLeuLeuLeuGlnAlaAspGlyTyrAsnValTyrGlnSerGlnAlaHis 140  
Db 502 TGCAGCTTCCGGGAGCTCTCTTGAGGAGCGATACAGATTGTTACCAAGTCCGAAAGCCAC 561  
QY 141 GlyLeuProLeuHisLeuProGlyLysLysSerProHisArgAspProAlaProArgGly 160  
Db 562 GGCCTCCGCTGCGACCTGCCAGGAAAGTCCCAACCGGAGCCCTGCAACCCCAAG 621  
QY 161 ProAlaArgPheLeuProLeuProGlyLeuProProAlaProProGlyLys 180  
Db 622 CCACCTGCTTCCGCACTACCAAGCTGCGCCCGGACCCCGGAGCCCAAGGAAATC 681  
QY 181 LeuAlaProGlnProProAspValGlySerSerAspProLeuSerMetValGlyProSer 200  
Db 682 CTGCCCCCAGCCCGCCATGTGGGCTCTCGGACCTCTGAGCATGTGTGGAGCTTTC 741  
QY 201 GlnGlyArgSerProSerTyrAlaSer 209  
Db 742 CAGGGCCGAAAGCCCGAGCTACGCTTC 768

RESULT 2  
US-09-715-805-3  
/ Sequence 3, Application US/09715805  
/ Patent No. 6716626  
/ GENERAL INFORMATION:  
/ APPLICANT: Itoh, No. 6716626yuki  
/ APPLICANT: Kavanagh, W. Michael  
/ TITLE OF INVENTION: HUMAN FGF-21 GENE AND GENE EXPRESSION  
/ FILE REFERENCE: PP-16758.001/201130.408  
/ CURRENT APPLICATION NUMBER: US/09/715.805  
/ NUMBER OF SEQ ID NOS: 17  
/ SOFTWARE: PaeSBo for Windows Version 4.0  
/ SEQ ID NO 3  
/ LENGTH: 643  
/ TYPE: DNA  
/ ORGANISM: Homo sapiens  
/ FEATURE:  
/ NAME/KEY: CDS  
/ LOCATION: (9)...(638)  
US-09-715-805-3

Alignment Scores:  
Pred. No.: 5,61e-158  
Score: 173.00 Length: 643  
Percent Similarity: 99.05% Matches: 208  
Best Local Similarity: 99.05% Conserves: 0  
Query Match: 82.78% Mismatches: 1  
Indels: 2  
Gaps: 0

US-09-391-861-2 (1-209) x US-09-715-805-3 (1-643)  
QY 1 MetAspSerAspGluThrGlyPheGlnHisSerGlyLeuTyrValSerValLeuAlaGly 20  
Db 9 ATGACCTGAGACGAGCCGGGTTGAGCACTGAGGAGCTGCTGGCTTCTGCTGGCTGGT 68  
QY 21 LeuLeuLeuGlyAlaCysGlnAlaHisProIleProAspSerSerProLeuLeuGlnPhe 40  
Db 69 CTTTGTGCTGGAGCTGCGACGACGCCACCCCTCACTCCAGCTCTCTCCGCAATTTC 128  
QY 41 GlyGlyGlnValArgGlnArgGlyLeuTyrThrAspAspAlaGlnGlnThrGlnAlaHis 60  
Db 129 GGGGGCCAAAGTCCGGGACGGGTACCTCTACACAGATGATGCCAGAGACAGAAAGCCAC 188  
QY 61 LeuGlnIleArgGlnAlaLeuLysProGlyValAlaGlnIleLeuGlyValLysThrSerArg 80  
Db 189 CTGAGATCAAGGAGAGATGGAGCGGTGGGGGGGCTGCTGACACAGAGCCCGAAAGTCTC 248  
QY 81 LeuGlnLeuLysAlaLeuLysProGlyValAlaGlnIleLeuGlyValLysThrSerArg 100  
Db 249 CTGAGCTGAAAGCTTGAAAGCCGGGAGTTATTCAATCTTGGAGTCAAGACATCCAG 308  
QY 101 PheLeuCysGlnArgProAspGlyAlaLeuTyrGlySerLeuHisPheAspProGlyAla 120  
Db 309 TTCTGTGCGACGCGCCAGATGGGCTCTGTATGATCGCTCACTTGACCTGAGGCC 368  
QY 121 CysSerPheArgGlyLeuLeuLeuGlnAlaAspGlyTyrAsnValTyrGlnSerGlnAlaHis 140  
Db 369 TGCAGCTTCCGGGAGCTCTCTTGAGGAGCGATACAGATTGTTACCAAGTCCGAAAGCCAC 428  
QY 141 GlyLeuProLeuHisLeuProGlyLysLysSerProHisArgAspProAlaProArgGly 160  
Db 429 GGCCTCCGCTGCGACCTGCCAGGAAAGTCCCAACCGGAGCCCTGCAACCCCAAG 488  
QY 161 ProAlaArgPheLeuProLeuProGlyLeuProProAlaProProGlyLys 180  
Db 489 CCAGCTGCTTCCGCACTACCAAGCTGCGCCCGGACCTCGGAGCCCAAGGAAATC 547  
QY 180 LeuAlaProGlnProProAspValGlySerSerAspProLeuSerMetValGlyProSer 200  
Db 548 CTGCCCCCAGCCCGCCATGTGGGCTCTCGGACCTCTGAGCATGTGTGGAGCTTTC 607  
QY 200 GlnGlyArgSerProSerTyrAlaSer 209  
Db 608 CAGGGCCGAAAGCCCGAGCTACGCTTC 635

RESULT 3  
US-09-621-976-1353  
/ Sequence 1353, Application US/09621976  
/ Patent No. 6639063  
/ GENERAL INFORMATION:  
/ APPLICANT: Dumas Milne Edwards, J.B.  
/ APPLICANT: Giordano, J.Y.  
/ TITLE OF INVENTION: ESTs and Encoded Human Proteins.  
/ FILE REFERENCE: GENSET.054PR2  
/ CURRENT APPLICATION NUMBER: US/09/621.976  
/ NUMBER OF SEQ ID NOS: 2000-07-21  
/ SOFTWARE: Patent .pm  
/ SEQ ID NO 1353  
/ LENGTH: 477  
/ TYPE: DNA  
/ ORGANISM: Homo sapiens  
/ FEATURE:  
/ NAME/KEY: CDS  
/ LOCATION: 169..423  
/ NAME/KEY: sig\_peptide  
/ LOCATION: 168..252  
/ OTHER INFORMATION: Von Heijne matrix  
/ OTHER INFORMATION: score 11.300001907349  
/ OTHER INFORMATION: seq SVLGLGLGCA/HP

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; NAME/KEY: misc_feature
; LOCATION: 207
; OTHER INFORMATION: nra, g, c or t
US-09-621-976-1353

Alignment Scores:
Pred. No.: 2,866-67 Length: 477
Score: 79.00 Matches: 79
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.80% Indels: 0
DB: 3 Gaps: 0

US-09-391-861-2 (1-209) x US-09-621-976-1353 (1-477)

QY 1 MetApSerApGluThrGlyPheGluHisSerGlyLeuTPValSerValLeuAlaGly 20
DB 169 ATGAGCTCGGAGCAGAACCGGGGTTGCGAGCCTCAGGGCTTGTGCTGGCTGGT 228
QY 21 LeuLeuGluGlyAlaCysGluAlaHisProLeuProAspSerSerProLeuGluPhe 40
DB 229 CTCTGCTGGAGGCTGCGACGACACCCCATCCCTGATTCAGTCTCTCTGCAATTC 288
QY 41 GlyGlyGluValArgGlnArgTyrLeuTyrThrAspAspAlaGlnGlnThrGluAlaHis 60
DB 289 GGGGGCCCAAGTCCGGCAGCGGTACTCTACACAGATGATGCCCGACAGACAGAAAGCCAC 348
QY 61 LeuGluLeuArgGluAspGlyThrValGlyGlyAlaAlaAspGlnSerProGluSer 79
DB 349 CTGAGAGATCAGAGGAGATGAGGAGCGGTGGGGGCTGCTGACAGAGCCGAAAGT 405

RESULT 4
US-09-390-207-3
; Sequence 3, Application US/09390207
; Patent No. 6504530
; GENERAL INFORMATION:
; APPLICANT: Thomason, Arlen
; APPLICANT: Liu, Benxian
; TITLE OF INVENTION: Fibroblast Growth Factor-Like Polypeptides
; FILE REFERENCE: 99-371
; CURRENT APPLICATION NUMBER: US/09/390,207
; CURRENT FILING DATE: 1999-09-07
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 649
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(630)
US-09-390-207-3

Alignment Scores:
Pred. No.: 8,626-20 Length: 649
Score: 30.00 Matches: 30
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 14.35% Indels: 0
DB: 3 Gaps: 0

US-09-391-861-2 (1-209) x US-09-390-207-3 (1-649)

QY 115 HisPheAspProGluAlaCysSerPheArgGluLeuLeuGluAspGlyTyrAsnVal 134
DB 346 CACTTGTATCTGAGGCTGAGCTTCAGAGAACTGTGCTGGAGAGACGTTACAAATGTG 405
QY 135 TyrGlnSerGluAlaHisGlyLeuProLeu 144
DB 406 TACCAGTCTGAAGCCCATGGCTGCCCTG 435

RESULT 5
US-09-715-805-1
```

```

; Sequence 1, Application US/09715805
; Patent No. 6716626
; GENERAL INFORMATION:
; APPLICANT: Itoh, No. 6716626uyuki
; APPLICANT: Kavanaugh, W. Michael
; TITLE OF INVENTION: HUMAN EGF-21 GENE AND GENE EXPRESSION
; FILE REFERENCE: PP-16758, 001/201130,408
; CURRENT APPLICATION NUMBER: US/09/715,805
; CURRENT FILING DATE: 2000-11-16
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 659
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (14)...(646)
US-09-715-805-1

Alignment Scores:
Pred. No.: 8,756-20 Length: 659
Score: 30.00 Matches: 30
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 14.35% Indels: 0
DB: 3 Gaps: 0

US-09-391-861-2 (1-209) x US-09-715-805-1 (1-659)

QY 115 HisPheAspProGluAlaCysSerPheArgGluLeuLeuGluAspGlyTyrAsnVal 134
DB 359 CACTTGTATCTGAGGCTGAGCTTCAGAGAACTGTGCTGGAGAGACGTTACAAATGTG 418
QY 135 TyrGlnSerGluAlaHisGlyLeuProLeu 144
DB 419 TACCAGTCTGAAGCCCATGGCTGCCCTG 448

RESULT 6
US-09-665-493B-6
; Sequence 6, Application US/09665493B
; Patent No. 6943153
; GENERAL INFORMATION:
; APPLICANT: Manning, William C., Jr.
; APPLICANT: Dwariki, Varavani J.
; APPLICANT: Rendahl, Katherine
; APPLICANT: Zhou, Shang-Zhen
; APPLICANT: McGee, Laura H.
; APPLICANT: Lau, Dana
; APPLICANT: Flannery, John G.
; APPLICANT: Miller, Sheldon
; APPLICANT: Wang, Fei
; TITLE OF INVENTION: USE OF RECOMBINANT GENE DELIVERY VECTORS
; FILE REFERENCE: PP1588,005 (20263,40)
; CURRENT APPLICATION NUMBER: US/09/665,493B
; CURRENT FILING DATE: 2000-09-20
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 659
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-665-493B-6

Alignment Scores:
Pred. No.: 8,756-20 Length: 659
Score: 30.00 Matches: 30
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 14.35% Indels: 0
```

```
DB: 3 Gaps: 0
US-09-391-861-2 (1-209) x US-09-665-493B-6 (1-659)
QY 115 H1PheAAPPProGluA1aCySerPheArgGluLeuLeuGluAaPGLYTYRAsnVal 134
DB 359 CACTTGATCTCTAGAGCTTCGACGCTTCAGAGAACTGCTGAGAGACGGTTACATGTG 418
QY 135 TYrGlnSerGluA1aH1aG1yLeuProLeu 144
DB 419 TACCAGTCGAAAGCCCAAGGCTGCGCCCTG 448

RESULT 7
US-09-949-016-17271/C
; Sequence 17271, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17271
; LENGTH: 15945
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(15945)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-17271

Alignment Scores:
Pred. No.: 41.3
Score: 10.00 Length: 15945
Percent Similarity: 100.00% Matches: 10
Best Local Similarity: 100.00% Conservative: 0
DB: 4.78% Mismatches: 0
Query Match: 3 Indels: 0
Gaps: 0

US-09-391-861-2 (1-209) x US-09-949-016-17271 (1-15945)
QY 166 ProLeuProGlyLeuProProAlaProPro 175
DB 10080 CCTCTCCCTGCGCTTCGACCTGCTCCACCA 10051

RESULT 8
US-09-902-540-6951
; Sequence 6951, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: US/09/902,540
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 6951
; LENGTH: 454
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; TYPE: DNA
; ORGANISM: Myxococcus xanthus
US-09-902-540-6951

Alignment Scores:
Pred. No.: 11.9
Score: 9.00 Length: 454
Percent Similarity: 100.00% Matches: 9
Best Local Similarity: 100.00% Conservative: 0
DB: 4.31% Mismatches: 0
Query Match: 3 Indels: 0
Gaps: 0

US-09-391-861-2 (1-209) x US-09-902-540-6951 (1-454)
QY 165 LeuProLeuProGlyLeuProProAla 173
DB 390 CTTCACCTCTCTGCGCTTCCTCCCGG 416

RESULT 9
US-09-949-016-142950
; Sequence 142950, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 142950
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-142950

Alignment Scores:
Pred. No.: 15.7
Score: 9.00 Length: 601
Percent Similarity: 100.00% Matches: 9
Best Local Similarity: 100.00% Conservative: 0
DB: 4.31% Mismatches: 0
Query Match: 3 Indels: 0
Gaps: 0

US-09-391-861-2 (1-209) x US-09-949-016-142950 (1-601)
QY 171 ProProAlaProProGluProProGly 179
DB 25 CCCCCCGCCCTCGGAGCGCCGCGG 51

RESULT 10
US-09-976-594-608/C
; Sequence 608, Application US/09976594
; Patent No. 6673549
; GENERAL INFORMATION:
; APPLICANT: Furness, Michael
; APPLICANT: Buchinder, Jenny
; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
; FILE REFERENCE: PA-0041 US
; CURRENT FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/240,409
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 1143
; SOFTWARE: PERL Program
; SEQ ID NO 608
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```

; LENGTH: 1371
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID NO. 6673549 210011.1
US-09-976-594-608

Alignment Scores:
Pred. No.: 35          Length: 1371
Score: 9.00           Matches: 9
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 4.31%     Indels: 0
DB: 3                 Gaps: 0

US-09-391-861-2 (1-209) x US-09-976-594-608 (1-1371)

Qy 167 LeuProGlyLeuProAlaProPro 175
Db 90 TTGCCCCGGGCTGCCCCCGCCCGCCG 64

RESULT 11
US-10-104-047-1645
; Sequence 1645, Application US/10104047
; Patent No. 6943241
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. 6943241e1 full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; PRIOR FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1645
; LENGTH: 1686
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-104-047-1645

Alignment Scores:
Pred. No.: 42.8        Length: 1686
Score: 9.00           Matches: 9
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 4.31%     Indels: 0
DB: 3                 Gaps: 0

US-09-391-861-2 (1-209) x US-10-104-047-1645 (1-1686)

Qy 154 ArgAspProAlaProArgGlyProAla 162
Db 914 CGGATCCCGCGCGCGCGCGCCGCC 940

RESULT 12
US-09-902-540-601
; Sequence 601, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(115849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; PRIOR FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 601
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; LENGTH: 3891
; TYPE: DNA
; ORGANISM: Myxococcus xanthus
US-09-902-540-601

Alignment Scores:
Pred. No.: 96.7        Length: 3891
Score: 9.00           Matches: 9
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 4.31%     Indels: 0
DB: 3                 Gaps: 0

US-09-391-861-2 (1-209) x US-09-902-540-601 (1-3891)

Qy 165 LeuProLeuProGlyLeuProProAla 173
Db 3827 CTTCACTTCCTGGGCTTCCCTCCGCG 3853

RESULT 13
US-09-949-016-11799
; Sequence 11799, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: PaedSeq for Windows Version 4.0
; SEQ ID NO 11799
; LENGTH: 39552
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(39552)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-11799

Alignment Scores:
Pred. No.: 925         Length: 39552
Score: 9.00           Matches: 9
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 4.31%     Indels: 0
DB: 3                 Gaps: 0

US-09-391-861-2 (1-209) x US-09-949-016-11799 (1-39552)

Qy 80 LeuLeuGlnLeuLysAlaLeuLysPro 88
Db 16639 CTTCTTCACTGCTGAAGCAGCTCAAGCCC 16665

RESULT 14
US-09-949-016-15546/c
; Sequence 15546, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
```

; PRIOR APPLICATION NUMBER: 60/241,755  
 ; PRIOR FILING DATE: 2000-10-20  
 ; PRIOR APPLICATION NUMBER: 60/237,768  
 ; PRIOR FILING DATE: 2000-10-03  
 ; PRIOR APPLICATION NUMBER: 60/231,498  
 ; PRIOR FILING DATE: 2000-09-08  
 ; NUMBER OF SEQ ID NOS: 207012  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO: 15546  
 ; LENGTH: 187595  
 ; TYPE: DNA  
 ; ORGANISM: Human  
 ; FEATURE:  
 ; NAME/KEY: misc\_feature  
 ; LOCATION: (1)..(187595)  
 ; OTHER INFORMATION: n = A,T,C or G  
 US-09-949-016-15546

Alignment Scores:

Pred. No.:	4.21e+03	Length:	187595
Score:	9.00	Matches:	9
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	4.31%	Indels:	0
DB:	3	Gaps:	0

US-09-391-861-2 (1-209) x US-09-949-016-15546 (1-187595)

OY 76 SerProgluSerleuLeuGlnLeuLys 84

Db 184518 TCCCCAGAAAGCCTCTCCAGACCGCCCGGG 184492

RESULT 15

; US-09-949-016-15779/C  
 ; Sequence 15779, Application US/09949016  
 ; Patent No. 6812339  
 ; GENERAL INFORMATION:  
 ; APPLICANT: VENTER, J. Craig et al.  
 ; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
 ; FILE REFERENCE: CLO01307  
 ; CURRENT APPLICATION NUMBER: US/09/949,016  
 ; CURRENT FILING DATE: 2000-04-14  
 ; PRIOR APPLICATION NUMBER: 60/241,755  
 ; PRIOR FILING DATE: 2000-10-20  
 ; PRIOR APPLICATION NUMBER: 60/237,768  
 ; PRIOR FILING DATE: 2000-10-03  
 ; PRIOR APPLICATION NUMBER: 60/231,498  
 ; PRIOR FILING DATE: 2000-09-08  
 ; NUMBER OF SEQ ID NOS: 207012  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO: 15779  
 ; LENGTH: 265038  
 ; TYPE: DNA  
 ; ORGANISM: Human  
 ; FEATURE:  
 ; NAME/KEY: misc\_feature  
 ; LOCATION: (1)..(265038)  
 ; OTHER INFORMATION: n = A,T,C or G  
 US-09-949-016-15779

Alignment Scores:

Pred. No.:	5.9e+03	Length:	265038
Score:	9.00	Matches:	9
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	4.31%	Indels:	0
DB:	3	Gaps:	0

US-09-391-861-2 (1-209) x US-09-949-016-15779 (1-265038)

OY 171 ProProAlaProProGluProProGly 179

Db 122601 CCCCCCGCCCTCCGAGCGCCCGGG 122575  
 Search completed: November 28, 2005, 13:37:29  
 Job time: 242.618 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM nucleic - nucleic search, using SW model

Run on: November 27, 2005, 10:29:10 ; Search time 139.046 Seconds  
(without alignments)  
8296.792 Million cell updates/sec

Title: US-09-391-861-3

Perfect score: 649  
Sequence: 1 atggaatgctgagatctag.....ctgactcttcctcgaacta 649

Scoring table: IDENTITY\_NUC  
Gap 10.0, Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database :

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9: /cgn2\_6/ptodata/1/ina/backfile1.seq: \*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the total being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

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1	649	100.0	649	US-09-390-207-3	Sequence 3, Appli
2	638.4	98.4	659	US-09-715-805-1	Sequence 1, Appli
3	638.4	98.4	659	US-09-665-4938-6	Sequence 6, Appli
4	401.8	61.9	1190	US-09-390-207-1	Sequence 1, Appli
5	400.2	61.7	643	US-09-715-805-3	Sequence 3, Appli
6	173.8	26.8	477	US-09-621-976-1353	Sequence 1353, Ap
7	68.4	10.5	810	US-09-774-528-440	Sequence 440, App
8	68.4	10.5	810	US-10-120-988-440	Sequence 440, App
9	68.4	10.5	996	US-09-991-181-510	Sequence 510, App
10	68.4	10.5	996	US-09-990-444-510	Sequence 510, App
11	68.4	10.5	996	US-09-997-313-510	Sequence 510, App
12	68.4	10.5	996	US-09-992-598-510	Sequence 510, App
13	68.4	10.5	1239	US-10-000-489-25	Sequence 25, Appli
14	68.4	10.5	1608	US-09-949-016-2147	Sequence 2147, Ap
15	67	10.3	528	US-09-621-976-171	Sequence 171, App
16	54.2	8.4	651	US-09-949-016-2335	Sequence 2335, Ap
17	54.2	8.4	2137	US-09-907-794A-58	Sequence 58, Appli
18	54.2	8.4	2137	US-09-905-125A-58	Sequence 58, Appli
19	54.2	8.4	2137	US-09-902-775A-58	Sequence 58, Appli
20	54.2	8.4	2137	US-09-906-700-58	Sequence 58, Appli
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22	54.2	8.4	2137	US-09-904-920A-58	Sequence 58, Appli
23	54.2	8.4	2137	US-09-909-064-58	Sequence 58, Appli
24	54.2	8.4	2137	US-09-905-381A-58	Sequence 58, Appli

25	54.2	8.4	2137	3	US-09-906-618-58	Sequence 58, Appli
26	54.2	8.4	2137	3	US-09-906-646-58	Sequence 58, Appli
27	54.2	8.4	2137	3	US-09-904-462-58	Sequence 58, Appli
28	54.2	8.4	2137	3	US-09-902-736A-58	Sequence 58, Appli
29	54.2	8.4	2137	3	US-09-906-722A-58	Sequence 58, Appli
30	38.4	5.9	399	3	US-09-621-976-8976	Sequence 8976, Ap
31	37.2	5.7	601	3	US-09-949-016-10114	Sequence 20114, A
32	37.2	5.7	601	3	US-09-949-016-104123	Sequence 104123, A
33	37.2	5.7	91933	3	US-09-949-016-11855	Sequence 11855, A
34	37.2	5.7	91933	3	US-09-949-016-14628	Sequence 14628, A
35	37	5.7	2426	3	US-10-011-858-1	Sequence 1, Appli
36	37	5.7	2426	3	US-09-975-063-1	Sequence 1, Appli
37	36.4	5.6	1401	4	US-09-605-703B-543	Sequence 543, App
38	36.2	5.6	2712	3	US-09-976-594-1010	Sequence 1010, Ap
39	36.2	5.6	2712	3	US-09-919-039-379	Sequence 379, App
40	36.2	5.6	2758	3	US-09-949-016-4036	Sequence 4036, Ap
41	36	5.5	14084	3	US-09-949-016-13889	Sequence 13889, A
42	35.8	5.5	621	3	US-09-252-991A-8781	Sequence 8781, Ap
43	35.8	5.5	679	3	US-09-533-559-5693	Sequence 5693, Ap
44	35.8	5.5	921	3	US-09-252-991A-9092	Sequence 9092, Ap
45	35.8	5.5	1512	3	US-09-252-991A-9180	Sequence 9180, Ap

#### ALIGNMENTS

RESULT 1						
US-09-390-207-3						
Sequence 3, Application US/09390207						
Patent No. 6504530						
GENERAL INFORMATION:						
APPLICANT: Thomson, Arlen						
APPLICANT: Liu, Benxian						
TITLE OF INVENTION: Fibroblast Growth Factor-Like Polypeptides						
FILE REFERENCE: 99-371						
CURRENT APPLICATION NUMBER: US/09/390,207						
CURRENT FILING DATE: 1999-09-07						
NUMBER OF SEQ ID NOS: 41						
SOFTWARE: Patentin Ver. 2.0						
SEQ ID NO 3						
LENGTH: 649						
TYPE: DNA						
ORGANISM: Mus musculus						
FEATURE:						
NAME/KEY: CDS						
LOCATION: (1)..(630)						
US-09-390-207-3						
Query Match						
Best Local Similarity 100.0%; Score 649; DB 3; Length 649;						
Best Local Similarity 100.0%; Pred. No. 3.1e-177;						
Matches 649; Conservative 0; Mismatches 0; Indels 0; Gaps 0;						
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Db	1	ATGGAATGATGAGATCTAGATTGGACCTGGAGCTGGTCCGACTGCTGACT	60			
Qy	61	GTCCTCTGCTGGGGGTCTACCAAGCATACCTGACTGACGCCCCCTCTCTAG	120			
Db	61	GTCCTCTGCTGGGGGTCTACCAAGCATACCTGACTGACGCCCCCTCTCTAG	120			
Qy	121	TTTGGGGGTCAAGTCCGCGAGAGTACTCTTACCAAGATAGCAAGACACTGAAGCC	180			
Db	121	TTTGGGGGTCAAGTCCGCGAGAGTACTCTTACCAAGATAGCAAGACACTGAAGCC	180			
Qy	181	CACCTGAGATTCAGGAGATGGAACGTGGTGGCCAGACACCCGACTCCGAAGT	240			
Db	181	CACCTGAGATTCAGGAGATGGAACGTGGTGGCCAGACACCCGACTCCGAAGT	240			
Qy	241	CTCTGAGAGCTCAAGCTTTGAAGCCAGGGGTCTAAATCTCTGGTGTCAAGCTCT	300			
Db	241	CTCTGAGAGCTCAAGCTTTGAAGCCAGGGGTCTAAATCTCTGGTGTCAAGCTCT	300			
Qy	301	AGGTTTCTTTGGCAAGCAGATGAGCTCTGATGATCGCTACTTGATCTTGAG	360			

Db 301 AGGTTTCCTTGGCAACAGCCAGATGGAGCTCTCAATGGATGCGCTCACTTGATCTTGAG 360  
QY 361 GCGTCAGGTTCAAGAACTGCTCTGAGAGCGATTACATGTGTACCACTGAAACC 420  
Db 361 GCGTCACATTCAGAGAACTGTCTGTGGAGAGACGGTTACATGTGTACCACTGAAACC 420  
QY 421 CATGGCCCTGCCCCCTGGCTGTGCTCAAGAAAGATCCCGAAACCAAGATGCAACATCTGG 480  
Db 421 CATGGCCCTGCCCCCTGGCTGTGCTCAAGAAAGATCCCGAAACCAAGATGCAACATCTGG 480  
QY 481 GGAACCTGCGCTTCCCTGCGCCATATGGGCCAAGGCTGTCTCAAGAGCCCAAGACCAAGAGAGA 540  
Db 481 GGAACCTGTGGCTTCTCTGCCCCAATGCCAGGCGCTGTCTCAAGAGCCCAAGACCAAGAGAGA 540  
QY 541 TTCTGTGCCCCCAAGGCCCCCAGATGTGGGCTTCCTCTGACCCCTGAGCATGTAGAGCT 600  
Db 541 TTCTGTGCCCCCAAGGCCCCCAGATGTGGGCTTCCTCTGACCCCTGAGCATGTAGAGAGCT 600  
QY 601 TTACAGAGGCCAAGAGCCCCCAAGTATGCCCTGTGACTCTTTCTGTAATCTGA 649  
Db 601 TTACAGAGGCCAAGAGCCCCCAAGTATGCCCTGTGACTCTTTCTGTAATCTGA 649

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RESULT 2
US-09-715-805-1
/ Sequence 1, Application US/09715805
/ Patent No. 6716626
/ GENERAL INFORMATION:
/ APPLICANT: Itoh, No. 6716626yuki
/ APPLICANT: Kavanaugh, W. Michael
/ TITLE OF INVENTION: HUMAN FGF-21 GENE AND GENE EXPRESSION
/ FILE REFERENCE: PRODUCTS
/ CURRENT APPLICATION NUMBER: PP-16758_001/201130_408
/ CURRENT FILING DATE: US/09/715,805
/ NUMBER OF SEQ ID NOS: 17
/ SOFTWARE: FASTSEQ for Windows Version 4.0
/ SEQ ID NO 1
/ LENGTH: 659
/ TYPE: DNA
/ ORGANISM: Mus musculus
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: (14) ... (646)
US-09-715-805-1

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Query Match	98.4%;	Score 638.4;	DB 3;	Length 659;
Best Local Similarity	99.8%;	Pred. No. 3.6e-174;		
Matches 639; Conservative				

Oy 1 ATGGANTGATGAGATCTAGAGTTTGGGACCCCTGGACCTGTGTGGTCTCGCACTGTCTGTGGCT 60  
 Db 14 ATGGAAATGGATGAGATCTTAGAGTTTGGGACCCCTGGACCTGTGTGGTCTCGCACTGTCTGTGGCT 73  
 Oy 61 GTCTTCTGCTGGGGGGCTTACCAAGCATACCCCATCCCTGACTCAGACCCCTCTCCAG 120  
 Db 74 GTCTTCTGCTGGGGGGCTTACCAAGCATACCCCATCCCTGACTCAGACCCCTCTCTCAG 133  
 Oy 121 TTTSGGGGGTCMAATCCGCGAGAGTACCTCTTACACAGATAGACCAAMAACACTGAAGCC 180  
 Db 134 TTTSGGGGGTCMAATCCGCGAGAGTACCTCTTACCAATACAGACCAAMAACACTGAAGCC 193  
 Oy 181 CACCTGAGATCAGGAGAGATGAAACAGTGGTAAAGCGCCGACACCGCAGTCCAGAAGT 240  
 Db 194 CACCTGAGATCAGGAGAGATGAAACAGTGGTAAAGCGCCGACACCGCAGTCCAGAAGT 253  
 Oy 241 CTCCTGAGACTCAAAAGCTTGAACCCAGGGGTATTTCAATCTGGGTGTCAAAAGCCTCT 300  
 Db 254 CTCCTGAGACTCAAAAGCCTTGAACCCAGGGGTATTTCAATCTGGGTGTCAAAAGCCTCT 313  
 Oy 301 AGGTTCTTTCCAAACAGCCAGATGAGCTCTCTATGATGCGCCCACTTGATCTCTGAG 360

Db 314 AGGTTTCTTTGGCCAAGCCAAATGAGCTCTCTATGATGCGCTCACTTTGATCTTGAG 373

Oy 361 GCGTCGACGCTTCAGAGAACTGCTGCTGAGAGACGGTTCAATATGTACCACTTGAAGCC 420

Db 374 GCGTCGACGCTTCAGAAACTGCTGCTGAGGACGGTTCAATATGTACCACTTGAAGCC 433

Oy 421 CATGACCTGACCCCTGCTGCTGCTGCTGAGAAAGACATCCCCAAACAGATGCAACATCTGG 480

Db 434 CATGAGCTGACCCCTGCTGCTGCTGCTGCAAGAACATCCCCAAACAGATGCAACATCTGG 493

Oy 481 GGAACCTGATGCGCTTCTGTGCGCATGACAGGCTGCTCCACGAGCCCCAAGACCAAGAGGA 540

Db 494 GGAACCTGATGCGCTTCTGTGCGCATGACAGGCTGCTCCACGAGCCCCAAGACCAAGAGGA 553

Oy 541 TTCCTGAGCCCCAGAGCCCCCAGATGTGTGCTCTCTGACCCCCCTGAGCATGTGTAGAGCTT 600

Db 554 TTCCTGAGCCCCAGAGCCCCCAGATGTGTGCTCTCTGACCCCCCTGAGCATGTGTAGAGCTT 613

Oy 601 TTACAGAGGCGGAAGCCCCCAAGCTTATGCGTCTGACTTTTC 640

Db 614 TTACAGAGGCGGAAGCCCCCAAGCTTATGCGTCTGACTTTTC 653

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RESULT 3
US-09-665-493B-6
: Sequence 6, Application US/09665493B
: Patent No. 6943153
: GENERAL INFORMATION:
: APPLICANT: Manning, William C., Jr.
: APPLICANT: Dworki, Varavart J.
: APPLICANT: Rendahl, Katherine
: APPLICANT: Zhou, Shang-Zhen
: APPLICANT: McGee, Laura H.
: APPLICANT: Lau, Dana
: APPLICANT: Flannery, John G.
: APPLICANT: Miller, Sheldon
: APPLICANT: Wang, Pei
: APPLICANT: Di Polo, Adriana
: TITLE OF INVENTION: USE OF RECOMBINANT GENE DELIVERY VECTORS
: FILE REFERENCE: P1588_005 (20263_40)
: CURRENT APPLICATION NUMBER: US/09/665,493B
: CURRENT FILING DATE: 2000-09-20
: NUMBER OF SEQ ID NOS: 12
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 6
: LENGTH: 659
: TYPE: DNA
: ORGANISM: Homo sapien
US-09-665-493B-6

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Query Match	98.4%;	Score 638.4;	DB 3;	Length 659,
Best Local Similarity	99.8%;	Pred. No. 3.6e-174;		
Matches 639; Conservative	0.0;	Microbial		

QY	1	ATGGATATGATGATCTGAGTGGGACCTTGGAATGTGGTCTCCAGTCTGCCTGCT	60
Db	14	ATGGAATGATGATGATCTGAGATTGGACCTTGGAATGTGGTCTCGACTGTCTGCT	73
QY	61	GTCTCTCTCTGGGGGCTCTACCAAGCATACCCATCTCTGATCTCCAGGCCCTCTCTCAG	120
Db	74	GTCTTCTCTGGGGGCTCTACCAAGCATACCCATCTCTGATCTCCAGGCCCTCTCTCAG	133
QY	121	TTTGGGGGTCAAAGTCCGCGAGAGTACCTTTCACAGATGACGACCAAGACACTGAAGCC	180
Db	134	TTTGGGGGTCAAAGTCCGCGAGAGTACCTTTCACAGATGACGACCAAGACACTGAAGCC	193
QY	181	CACCTGAGATCCAGGGAGATGCAACAGTGTGAGCGCAGCAACCGCAGTCCAGAAAGT	240
Db	194	CACCTGAGATCCAGGGAGATGCAACAGTGTGAGCGCAGCAACCGCAGTCCAGAAAGT	253
QY	241	CTCCGAGACTCAAGGCTTTGAAGCGAGGGGTCATTCAATCTCTGGGTGTCAAGGCTCT	300



Db 254 CTCCTGAGCTCAAAAGCCTTGAGGCAAGGGGTCATTAATCTGGGTGTCAAAGCCTCT 313  
Qy 301 AGGTTTCTTTGCGCAACAGCAGATGAGACTCTTAATGATGCTCACTTTGATCTGAG 360  
Db 314 AGGTTTCTTTGCGCAACAGCAGATGAGACTCTTAATGATGCTCACTTTGATCTGAG 373  
Qy 361 GCCTGAGACTTCAGAGAACTGCTGAGGAGACGGTTACAAATGATGACAGTGAAGCC 420  
Db 374 GCTTGCAGCTTCAGAGAACTGCTGAGGAGACGGTTACAAATGATGACAGTGAAGCC 433  
Qy 421 CATTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 480  
Db 434 CATTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 493  
Qy 481 GGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 540  
Db 494 GGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 553  
Qy 541 TTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 600  
Db 554 TTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 613  
Qy 601 TTACAGGCGCGAAGCCCGAGCTATGCGTCTGACTCTTTC 640  
Db 614 TTACAGGCGCGAAGCCCGAGCTATGCGTCTGACTCTTTC 653

RESULT 4  
US-09-390-207-1  
; Sequence 1, Application US/09390207  
; Patent No. 6504530  
; GENERAL INFORMATION:  
; APPLICANT: Thomson, Arlen  
; APPLICANT: Liu, Benxian  
; TITLE OF INVENTION: Fibroblast Growth Factor-Like Polypeptides  
; FILE REFERENCE: 99-371  
; CURRENT APPLICATION NUMBER: US/09/390,207  
; NUMBER OF SEQ ID NOS: 41  
; SOFTWARE: Patent Ver. 2.0  
; LENGTH: 1190  
; SEQ ID NO 1  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (142)..(771)  
US-09-390-207-1

Query Match 61.9%; Score 401.8; DB 3; Length 1190;  
Best Local Similarity 80.7%; Pred. No. 7,7e-106;  
Matches 469; Conservative 0; Mismatches 112; Indels 0; Gaps 0;  
Qy 53 TGCTGCTGCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 112  
Db 191 TGCTGCTGCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 250  
Qy 113 TCCTCCAGTTTGGGGGTCAGATCCGCGAGAGTACCTCTACACAGATGACGACCAAGACA 172  
Db 251 TCCTCCAGTTTGGGGGTCAGATCCGCGAGAGTACCTCTACACAGATGACGACCAAGACA 310  
Qy 173 CTGAAGCCCACTGAGATCAGGAGAGATGAGAAAGTGTGAGGCGACACCGCAGTC 232  
Db 311 CAGAAAGCCCACTGAGATCAGGAGAGATGAGAAAGTGTGAGGCGGCTGTGACCAAGACC 370  
Qy 233 CAGAAAGCTCTCTGAGACTCAAAAGCCTTGAAGCCAGGGGTCTTCAATCAATCTGGGTGCA 292  
Db 371 CCGAAAGCTCTCTGAGACTCAAAAGCCTTGAAGCCAGGGGTCTTCAATCAATCTGGGTGCA 430  
Qy 293 AAGCTCTAGGTTCTTTGCCAACAGCCAGATGAGTCTCTATGATGCTCCTCACTTTG 352  
Db 431 AGACATCCAGGTTCTGTGCGACGCGCAGATGAGGCGCTGTATGATGCTCCTCACTTTG 490

Qy 353 ATCTGAGGCTGAGCTTCAGAGAACTGCTGCTGAGAGACGGTTACAAATGATGACAGT 412  
Db 491 ACCCTGAGGCTTCAGCTTCGAGAGCTGCTTCTTGAAGACGATACAAATGATGACAGT 550  
Qy 413 CTGAAGCCCACTGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 472  
Db 551 CCGAAGCCCACTGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 610  
Qy 473 CATTCTGAGGACTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 532  
Db 611 CACCCGAGGAGCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 670  
Qy 533 AAGCAGATTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 592  
Db 671 CACCCGAGGAGCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 730  
Qy 593 TAGAGCTTTACAGGCGCGAAGCCCGAGCTATGCGTCTGCTG 633  
Db 731 TGAGACCTTCAGAGGCGCGAAGCCCGAGCTATGCGTCTGCTG 771

RESULT 5  
US-09-715-805-3  
; Sequence 3, Application US/09715805  
; Patent No. 6716626  
; GENERAL INFORMATION:  
; APPLICANT: Itoh, No. 6716626yuki  
; APPLICANT: Kavanaugh, W. Michael  
; TITLE OF INVENTION: HUMAN EGF-21 GENE AND GENE EXPRESSION  
; FILE REFERENCE: PP-16758, 001/201130, 408  
; CURRENT APPLICATION NUMBER: US/09/715,805  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: FastSeq for Windows Version 4.0  
; LENGTH: 643  
; SEQ ID NO 3  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (9)...(638)  
US-09-715-805-3

Query Match 61.7%; Score 400.2; DB 3; Length 643;  
Best Local Similarity 80.6%; Pred. No. 1,7e-105;  
Matches 468; Conservative 0; Mismatches 113; Indels 0; Gaps 0;  
Qy 53 TGCTGCTGCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 112  
Db 58 TGCTGCTGCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 117  
Qy 113 TCCTCCAGTTTGGGGGTCAGATCCGCGAGAGTACCTCTACACAGATGACGACCAAGACA 172  
Db 118 TCCTCCAGTTTGGGGGTCAGATCCGCGAGAGTACCTCTACACAGATGACGACCAAGACA 177  
Qy 173 CTGAAGCCCACTGAGATCAGGAGAGATGAGAAAGTGTGAGGCGACACCGCAGTC 232  
Db 178 CAGAAAGCCCACTGAGATCAGGAGAGATGAGAAAGTGTGAGGCGGCTGTGACCAAGACC 237  
Qy 233 CAGAAAGCTCTCTGAGACTCAAAAGCCTTGAAGCCAGGGGTCTTCAATCAATCTGGGTGCA 292  
Db 238 CCGAAAGCTCTCTGAGACTCAAAAGCCTTGAAGCCAGGGGTCTTCAATCAATCTGGGTGCA 297  
Qy 293 AAGCTCTAGGTTCTTTGCCAACAGCCAGATGAGTCTCTATGATGCTCCTCACTTTG 352  
Db 298 AGACATCCAGGTTCTGTGCGACGCGCAGATGAGGCGCTGTATGATGCTCCTCACTTTG 357  
Qy 353 ATCTGAGGCTCTGAGCTTCAGAGAACTGCTGCTGAGAGACGGTTACAAATGATGACAGT 412  
Db 358 ACCCTGAGGCTCTGAGCTTCGAGAGCTGCTTCTGAGAGCAGATCAATGTTTACAGT 417  
Qy 413 CTGAAGCCCACTGAGCTTCAGAGAACTGCTGCTGAGAGACGGTTACAAATGATGACAGT 472

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1 Sequence 1353 Application US/09621976
2 Patent No. 6639063
3 GENERAL INFORMATION:
4 APPLICANT: Dumas Milne Edwards, J.B.
5 APPLICANT: Jobert, S.
6 APPLICANT: Giordano, J.Y.
7 TITLE OF INVENTION: ESTs and Encoded Human Proteins
8 FILE REFERENCE: GENSET.054PR2
9 CURRENT APPLICATION NUMBER: US/09/621,976
10 CURRENT FILING DATE: 2000-07-21
11 NUMBER OF SEQ ID NOS: 19335
12 SOFTWARE: Patent.pm
13 SEQ ID NO 1353
14 LENGTH: 477
15 TYPE: DNA
16 ORGANISM: Homo sapiens
17 FEATURE:
18 NAME/KEY: CDS
19 LOCATION: 169..423
20 NAME/KEY: sig_peptide
21 LOCATION: 169..252
22 OTHER INFORMATION: Von Heijne matrix
23 OTHER INFORMATION: score 11.3000001907349
24 NAME/KEY: misc_feature
25 LOCATION: 207
26 OTHER INFORMATION: n=a, g, c or t
27 US-09-621,976-1353

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Query Match	26.8%	Score 173.8;	DB 3;	Length 477;
Best Local Similarity	80.5%;			
Matches 210; Conservative		Pred. No. 3e-40;		

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Db	218	TGCTGGCTGATCTTCTCTGGAGCCTGCAGACACACCCATCCCGATTCAGTCTCTC	277
Qy	113	TCCTCAGATTGGGGGTCAGTCCCGCAGAGGTACTCTACACAGATGAGAACCAAGACA	172
Db	278	TCTCGAATTGGGGGCTCAGTCCGACGGGTACTCTTACACAGATGATGCCACGACGA	337
Qy	173	CTGAAGCCCACTCTGGATCAGGAGAGATGGAACAGTGATAGGCCGACAGACACCCAGTTC	232
Db	338	CAGAGCCCACTCTGGAGATCAGGAGATGGAACAGTGATAGGCCGACAGACACCCAGTTC	397
Qy	233	CAGAAATCTCTGGAGTCAAAAGCTTGAAGCCAGGGGTCAATCAATCTCGGGGTGCA	292
Db	398	CCAAAGTCTCTGCGACGTGAAA-CTTTGAAGCCGGAGATTTCAAATCTTGGGAATCA	456
Qy	293	AAGCCCTCTGAGTTTCTTTGCC	313
Db	457	AGCATCCAGGTTCTGTGCC	477

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US-09-774-528-440
/ Sequence 440. Application US/0974528
/ Patent No. 6743619
/ GENERAL INFORMATION:
/ APPLICANT: Tang, Y. Tom
/ APPLICANT: Zhou, Ping
/ APPLICANT: Goodrich, Ryle
/ APPLICANT: Liu, Chenghua
/ APPLICANT: Asundi, Vinod
/ APPLICANT: Ren, Feiyang
/ APPLICANT: Zhang, Jie
/ APPLICANT: Zhao, Yong A.
/ APPLICANT: Yang, Aidingong
/ APPLICANT: Xue, Aidingong J.
/ APPLICANT: Wehman, Tom
/ APPLICANT: Wang, Jian-Rui
/ APPLICANT: Wang, Dunrui
/ TITLE OF INVENTION: Dramnac, Radofe T.
/ TITLE OF INVENTION: No. 6743619 Nucleic Acids and
/ FILE REFERENCE: 802 Polypeptides
/ CURRENT APPLICATION NUMBER: US/09/774.528
/ NUMBER OF SEQ ID NOS: 441
/ SOFTWARE: pl _genes Version 2.0
/ SEQ ID NO 440
/ LENGTH: 810
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: (55)..(810)
US-09-774-528-440

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Query Match

	Seq1	Seq2	Score	DB	Length	Mismatches	Conservative	Mismatches	Indels	Gaps
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Seq2	207	CCACCTGGAGATCAAGGGAGATGGAACATGTGTAGCGCGAGCACACCCGATGCCAGAA	68.4	DB 3	810	53.8%	0	121	0	0
Seq3	240	TCTCTGAGCTCAAGCCTTGAAGCCAGGGGCAATCAAAATCTGGGTGTCAAGCTTC	68.4	DB 3	810	53.8%	0	121	0	0
Seq4	267	TGCTCTATATATAGATCAAGAGATGTGCTTTGTGTGATTAACAGGTGTGATGAGCAG	68.4	DB 3	810	53.8%	0	121	0	0
Seq5	300	TAGTTTCTTTTGGCAACGACGAGATGAGCTTCTATGATGCTCACTTATCTTGA	68.4	DB 3	810	53.8%	0	121	0	0
Seq6	327	AAATATCTCTGATGATTTGAGAGCGCAATTTTGGATCAACATATTTGACCCCGCA	68.4	DB 3	810	53.8%	0	121	0	0
Seq7	360	GAGCTGACACTTCAGAGAACTGCTGCTGGAGACGTTACATGTGTACACAGTCTGAAG	68.4	DB 3	810	53.8%	0	121	0	0
Seq8	387	GAACTGCAAGTTTCAACACAGACGCTGTGAAAAAGGCTTACGATCACTCTCTCA	68.4	DB 3	810	53.8%	0	121	0	0
Seq9	420	CCATGAGCCGCGCCCGCTCTG	68.4	DB 3	810	53.8%	0	121	0	0
Seq10	447	GTATCACTTCCGTCAGCTCTG	68.4	DB 3	810	53.8%	0	121	0	0

ESULT 8  
S-10-120-988-447

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: Sequence 440, Application US/10120988
: Patent No. 6919193
: GENERAL INFORMATION
: APPLICANT: Tang, Y. Tom
: APPLICANT: Goodrich, Ryle
: APPLICANT: Liu, Chenghua
: APPLICANT: Ren, Feiyun
: APPLICANT: Wang, Dunhui
: APPLICANT: Drmanac, Radoje T.
: TITLE OF INVENTION: No. 6919193el Nucleic Acids and
: FILE REFERENCE: 802CON Polypeptides

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CURRENT APPLICATION NUMBER: US/10/120.988  
CURRENT FILING DATE: 2002-04-11  
PRIOR APPLICATION NUMBER: 09/774,528  
PRIOR FILING DATE: 2001-01-30  
NUMBER OF SEQ ID NOS: 441  
SOFTWARE: pc\_fl\_genes version 2.0  
SEQ ID NO 440  
LENGTH: 810  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (55) .. (810)  
US-10-988-440

Query Match 10.5%; Score 68.4; DB 3; Length 810;  
Best Local Similarity 53.8%; Pred. No. 9.4e-10;  
Matches 141; Conservative 0; Mismatches 121; Indels 0; Gaps 0;

Qy 180 CCACCTGAGATCAGGAGATGGAACAGTGGTAGGGCCAGACACCGCAGTCCAGAAAG 239  
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Qy 300 TAGGTTTCTTCCCAACGACGATGAGCTCTCTAGATGAGCTCACTTGAATCTGA 359  
Db 327 AAGATACCTCTGATGATGATTTGAGGAGCAATTTTGTGATCACTATTTGACCCGGA 386  
Qy 360 GGCCTGAGCTTCAAGAGATGCTGAGAGAGGAGGAGGAGTCAATGATGATGAGTGAAGC 419  
Db 387 GAATCTGAGGTTTCAACACGACGCTGGAAGAGGAGGAGTCAATGATGATGAGTGAAGC 446  
Qy 420 CCATGCGCTGCGCCCTGCTCTG 441  
Db 447 GTATCATCTTCTGGTCACTCTG 468

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US-09-991-181-510  
Sequence 510, Application US/09991181  
Patent No. 6913919  
GENERAL INFORMATION:  
APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Deenoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrata, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Garber, Hanspeter  
APPLICANT: Gerlitsen, Mary E.  
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APPLICANT: Grimaldi, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Kijavlin, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
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APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Macanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2730P1C53  
CURRENT APPLICATION NUMBER: US/09/991.181

CURRENT FILING DATE: 2001-11-16  
PRIOR APPLICATION NUMBER: 60/049787  
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PRIOR APPLICATION NUMBER: 60/091633  
PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091978  
PRIOR FILING DATE: 1998-07-07  
PRIOR APPLICATION NUMBER: 60/091982  
PRIOR FILING DATE: 1998-07-07  
PRIOR APPLICATION NUMBER: 60/092182  
PRIOR FILING DATE: 1998-07-09

Query Match 10.5%; Score 68.4; DB 3; Length 996;  
Best Local Similarity 53.8%; Pred. No. 1e-09;  
Matches 141; Conservative 0; Mismatches 121; Indels 0; Gaps 0;

QY 180 CCACCTGAGATCGAGAGATGGAACAGTGTAGGGGACACCCGACGTCGAAAG 239  
Db 384 CCACCTGAGATCGAGAGATGGAACAGTGTAGGGGACACCCGACGTCGAAAG 443  
QY 240 TCTCTGAGCTCAAAGCTTGAAGCCAGGCTCATTAATCTGGTGTCAAAGCTTC 299  
Db 444 TCCCTGATGATCGAGATGAGATGCTGCTTGTGTGATTAACAGGTGTATGACAG 503  
QY 300 TAGGTTTCTTCCCAAGACGCGATGAGCTCTATGATGCGCTCACTTTGATCTGA 359  
Db 504 AAGATCCTCTGATGATGATTCAGAGGCAACATTTTGTATCACTATTTGACCCGGA 563  
QY 360 GGCCTGAGCTTGAAGAACTGCTGTGAGAGACGTTTCAATGTGTACCACTGTAAGC 419  
Db 564 GAACCTGAGGTTCCACACCAACGCTGGAACCGGTACGACGTCACCTCTCTCA 623  
QY 420 CCATGGCGTCCCTCTGCTG 441  
Db 624 GTATCACTTCTGTGTGATCTG 645

RESULT 10  
US-09-990-444-510  
Sequence 510, Application US/09990444  
Patent No. 6930170  
GENERAL INFORMATION:  
APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Baton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerritsen, Mary B.  
APPLICANT: Goddard, Audrey  
APPLICANT: Grimaldi, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Kijavlin, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.

APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2730pic19  
CURRENT APPLICATION NUMBER: US/09/990,444  
CURRENT FILING DATE: 2001-11-14  
PRIOR APPLICATION NUMBER: 60/049787  
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PRIOR FILING DATE: 1998-07-07  
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PRIOR FILING DATE: 1998-07-09

Query Match 10.5%; Score 68.4; DB 3; Length 996;  
Best Local Similarity 53.8%; Pred. No. 1e-09;  
Matches 141; Conservative 0; Mismatches 121; Indels 0; Gaps 0;  
QY 180 CCACCTGAGATCGGAGAGATGAACTGTAGGCGAGACACCCGATCCAGAAAG 239  
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DB 564 GAACCTGAGGTTCAACACAGAGAGCTGGAACGAGGTACAGAGCTTACACCTCTCTCA 623  
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DB 624 GTATCATCTTCTGCTGCTGCTG 645

RESULT 11  
US-09-997-333-510

Sequence 510, Application US/09997333  
Patent No. 6953836  
GENERAL INFORMATION:  
APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Desnoves, Luc  
APPLICANT: Batoni, Dan L.  
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APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE OF INVENTION: Acids Encoding the Same  
FILE REFERENCE: P2730P1C27  
CURRENT APPLICATION NUMBER: US/09/997,333  
PRIOR FILING DATE: 2001-11-15  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-16  
PRIOR APPLICATION NUMBER: 60/062250  
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25	PRIOR FILING DATE: 1998-07-01
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37	PRIOR FILING DATE: 1998-07-07
38	PRIOR APPLICATION NUMBER: 60/091982
39	PRIOR FILING DATE: 1998-07-07
40	PRIOR APPLICATION NUMBER: 60/092182
41	PRIOR FILING DATE: 1998-07-09

Query Match	10.5%	Score 68.4;	DB 3;	Length 996;
Best Local Similarity	53.8%	Pred. No. 1e-09;		
Matches 141;	Conservative 0;	Mismatches 121;	Indels 0;	Gaps 0;

Qy	180	CCACCTGGAGATCAGGAGAGATGGAACAGTGGTAGGCGCAGACACACCGCACTCCAGAAG	23
Db	384	CCACCTGCAGATCCACAGAAATGGCCCATGTGATGCGCACCCCATCAGACCATCTACAG	44
Qy	240	TCTCTGGAGCTCAAAAGCCCTTGAAGCCAGGGGTCAATTCAGTGGGTGTCAAAGCTTC	29
Db	444	TGCCCTGATGATCAAGTCAGAGAGATGCTGGCTTTGTGTGATTTACAGGTGATGAGACAG	50
Qy	300	TAGGTTTCTTTCGCAACGCCAGATGATGAGCTCTCATGGAATGGCTCACTTTGATCTCGA	35
Db	504	AGAGTATCCTCTGCATGAGATTTTCAGAGGCAACATTTTGTGATCACTATTTTCAGCCCGGA	56
Qy	360	GGCGTTCAGACTTCAGAGAACTGCTCTGTGAGGACGGTTACATGTGTACCACTGTGAAGC	41
Db	564	GAACTGCAGATTCGAAACACACGACGCTGGAAAAACGGGTACGACGCTTACCACTCTCTCA	62
Qy	420	CCATGGGCTTGCCTTCGCTCTG	441
Db	624	GTATCATCTTCGTGATCAGTCTG	645

RESULT 12  
US-09-992-598-510  
: Sequence 510, Application US/09992598  
: Patent No. 6956108  
: GENERAL INFORMATION:  
: APPLICANT: Ashkenazi, Avi J.

APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Desnovers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Geritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Kijavini, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Matanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2730PIC20  
CURRENT FILING DATE: 2001-11-14  
PRIOR APPLICATION NUMBER: 60/049787  
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PRIOR APPLICATION NUMBER: 60/092182  
PRIOR FILING DATE: 1998-07-09

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Matches 141; Conservative 0; Mismatches 121; Indels 0; Gaps 0;

QY 180 CCACCTGAGATGAGGAGATGGAACAGTGTAGGGCCAGACACCGCACTCAAGAA 239  
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DB 444 TGCCCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 503  
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DB 504 AAGATACCTCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 563  
QY 360 GGCTGAGCTTCAAGAACTGCTGCTGAGAGAGCTTACATGTGTAACAGTGAAGC 419  
DB 564 GAACCTGAGGTTCCAAACAGAGAGCTGGAAGAGGAGTACGACCTTCACTCTCTCA 623  
QY 420 CCATGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 441

DB 624 GTATCACTTCTGTGTCAGTCTG 645

RESULT 13  
US-10-000-489-25  
Sequence 25, Application US/10000489  
Patent No. 6794363  
GENERAL INFORMATION:  
APPLICANT: Benjamin, Stephanie  
APPLICANT: Tanaka, Hiroaki  
TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF  
FILE REFERENCE: 91.US6.DIV  
CURRENT APPLICATION NUMBER: US/10/000,489  
CURRENT FILING DATE: 2001-11-14  
PRIOR APPLICATION NUMBER: US 09/924,340  
PRIOR FILING DATE: 2001-08-06  
PRIOR APPLICATION NUMBER: PCT/IB01/01715  
PRIOR FILING DATE: 2001-08-06  
PRIOR APPLICATION NUMBER: US 60/305,456  
PRIOR FILING DATE: 2001-07-13  
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PRIOR FILING DATE: 2001-06-15  
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PRIOR FILING DATE: 2001-05-25  
NUMBER OF SEQ ID NOS: 112  
SOFTWARE: Jpatent  
SEQ ID NO 25  
LENGTH: 1239  
TYPE: DNA  
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FEATURE:  
NAME/KEY: 5'UTR  
LOCATION: 1..126  
NAME/KEY: CDS  
LOCATION: 127..879  
NAME/KEY: 3'UTR  
LOCATION: 880..1239  
NAME/KEY: polyA site  
LOCATION: 1224..1239  
US-10-000-489-25

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QY 360 GGCTGAGCTTCAAGAACTGCTGCTGAGAGAGCTTACATGTGTAACAGTGAAGC 419  
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QY 420 CCATGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 441  
DB 519 GTATCACTTCTGTGTCAGTCTG 540

RESULT 14  
US-09-949-016-2147  
Sequence 2147, Application US/09949016  
Patent No. 6812339  
GENERAL INFORMATION:

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; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
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; TYPE: DNA
; ORGANISM: Human
US-09-949-016-2147

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Best Local Similarity 53.8%; Pred. No. 1.2e-09;
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QY 300 TAGGTTCTTTGCAACAGCAGATGAGCTCTATGATGCTCCTCACTTTGATCTGA 359
Db 419 AAGTACTCTGTCAGATGATTTCAAGGCAACATTTTGGATCAGACTATTGAGCCGGA 478
QY 360 GGCTGAGCTTGAAGAACTGCTGTGAGGAGGTTACATATGTGACAGTGAAGC 419
Db 479 GAACTGAGGTTCAACACAGACGCTGGAACCGGTACAGCTTACACCTCTCTCA 538
QY 420 CCATGGCTGCGCCCTGCGCTG 441
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## RESULT 15

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US-09-621-976-171
; Sequence 171, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 171
; LENGTH: 528
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 127..528
; NAME/KEY: sig.peptide
; LOCATION: 127..198
; OTHER INFORMATION: Von Heijne matrix
; OTHER INFORMATION: score 5.3000019073486
; OTHER INFORMATION: seq ALCVCSMSVLR/yp
US-09-621-976-171

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Best Local Similarity 55.3%; Pred. No. 2e-09;
Matches 130; Conservative 0; Mismatches 105; Indels 0; Gaps 0;

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Db 339 TGCCCTGATGATCAGATCAGAGATGCTGCTTGTGATTAAGGCTGATAGAGCAG 398
QY 300 TAGGTTCTTTGCAACAGCAGATGAGCTCTATGATGCTCCTCACTTTGATCTGA 359
Db 399 AAGTACTCTGTCAGATGATTTCAAGGCAACATTTTGGATCAGACTATTGAGCCGGA 458
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Db 459 GAACTGAGGTTCAACACAGACGCTGGAACCGGTACAGCTTACACCTCT 513

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Search completed: November 27, 2005, 16:46:17
Job time : 141.046 secs

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Db	301	AGGTTTCTTTGCCAAGCCAGATGGAGCTCTTAAGATCGGCTCACTTTGATCTTGAG	367
Qy	361	GCGTCGACCTTCAGAGAACTGTCGTGGAGAGACGGTTACATATGTACAGTCGAAGCC	422
Db	361	GCGTCGACCTTCAGAGAACTGCTCTGAGAGAGGTTACAAATGTATACCACTCGAAGCC	420
Qy	421	CATGAGCCCTGCGCCGCTCTGCGCTCAAGAGACTCCCAACAGATGCAACATCTCGG	480
Db	421	CATGAGCCCTGCGCCCTCTGCGCTCAAGAGAGACTCCCAACAGATGCAACATCTCGG	480
Qy	481	GGACCTGTGGGCTTCTGCGCCATGCCAGGCGTGTCCAAGAGCCCAAGACCAAGCGGA	540
Db	481	GGACCTGTGGGCTTCTGCGCCATGCCAGGCGTGTCCAAGAGCCCAAGACCAAGCGGA	540
Qy	541	TTCTGTGCCCCAGAGCCCCAGATGTGGGCTCTCTGACCCCGACAGCATGTGAGAGCTT	600
Db	541	TTCTGTGCCCCAGAGCCCCAGATGTGGGCTCTCTGACCCCGACAGCATGTGAGAGCTT	600
Qy	601	TTACAGAGCGCGAAGCCCCAGCTATCGATCGATCGACTTTCTGTGAATGTA	649
Db	601	TTACAGAGCGCGAAGCCCCAGCTATCGATCGATCGACTTTCTGTGAATGTA	649

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RESULT 2
US-09-715-805-1
; Sequence 1, Application US/09715805
; Patent No. 6716626
; GENERAL INFORMATION:
; APPLICANT: Itoh, No. 6716626yuki
; APPLICANT: Kavanaugh, W. Michael
; TITLE OF INVENTION: HUMAN FGF-21 GENE AND GENE EXPRESSION
; TITLE OF INVENTION: PRODUCTS
; FILE REFERENCE: PP-16758, 001/201130, 408
; CURRENT APPLICATION NUMBER: US/09/715,805
; CURRENT FILING DATE: 2000-11-16
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 659
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (14) ... (646)
; US-09-715-805-1

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Query Match	98.3%;	Score 638;	DB 3;	Length 659;
Best Local Similarity	100.0%;	Pred. No. 3.1e-306;		
Matches 638; Conservative	0.0;	Mismatch 0.0;		

QY	1	ATGGAATGAGATGAGATCTAGAGTTGGGACCCCTGGGACGTGGGGCCGACATCTGCTGGCT	60
Db	14	ATGGAATGAGATGAGATCTAGAGTTGGGACCCCTGGGACGTGGGGCCGACATCTGCTGGCT	73
QY	61	GTCCTCTGCTGGGGGGCTTACCAAGATATCCCATCTCTGATCGACCCCTCCTCGAG	120
Db	74	GTCCTCTGCTGGGGGGCTTACCAAGATATCCCATCTCTGATCGACCCCTCCTCGAG	133
QY	121	TTTGGGGGCTCAATCCCGCAGAGGTACCTCTTACACAGATGACGACCCAGCATGAAAC	180
Db	134	TTTGGGGGCTCAATCCCGCAGAGGTACCTCTTACACAGATGACGACCCAGCATGAAAC	193
QY	181	CACCTGAGATCAGGAGAGTGAACCACTGTTAGCCGACACACCCGATCCGAAGA	240
Db	194	CACCTGAGATCAGGAGAGTGAACCACTGTTAGCCGACACACCCGATCCGAAGA	253
QY	241	CTCCTGAGACTCAAAAGCTTGAAGCCAGGGGTCTTTCAATCTCTGGGTCTCAAAAGCTCT	300
Db	254	CTCCTGAGACTCAAAAGCTTGAAGCCAGGGGTCTTTCAATCTCTGGGTCTCAAAAGCTCT	313
QY	301	AGGTTCTTTTGCCAACACCCAGATGGAGCTCTCATGATGGCTCAGTTGATCTCGAG	360

Db	314	AGGTTTCTTTGGCCAAACGCCAGATGGAGCTCTCTATGATGCGCTCACTTGTATCTCGAG	372
Qy	351	GCTTCGAGCTTCAGAGAACTGCTGTGAGAGACGGTTTCATATGTGTACCACTTCGAAGCC	420
Db	374	GCCGCGACGTTTCAGAGAACTGCTGTGAGAGACGGTTTCATATGTGTACCACTTCGAAGCC	433
Qy	421	CATGGCCGTGCCCTCGGCGTCTGCGCTCAGAAAGACTTCCCAAAACAGATGCAACATCTCTGG	480
Db	434	CATGGCGTGCCTCGGCGTCTGCGCTCAGAAAGACTTCCCAAAACAGATGCAACATCTCTGG	493
Qy	481	GGACCTGTGGGCTTCTTGCCCAATGCCAGGCTGTCCACGAGCCCCCAAGACCAAGACAGA	540
Db	494	GGACCTGTGGGCTTCTTGCCCAATGCCAGGCTGTCCACGAGCCCCCAAGACCAAGACAGA	553
Qy	541	TTTCTTGCCCCCAGAGCCCCCAGATGTGGGCTCTCTGACCCCTCGAGCAATGTATAGGCTT	600
Db	554	TTTCTTGCCCCCAGAGCCCCCAGATGTGGGCTCTCTGACCCCTCGAGCAATGTATAGGCTT	613
Qy	601	TTACAGGGCCGAAGCCCGAGCTATGCGCTTCGACTCTT	638
Db	614	TTACAGGGCCGAAGCCCGAGCTATGCGCTTCGACTCTT	651

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      1  RESULT 3
      2  US-09-665-493B-6
      3  / Sequence 6, Application US/09665493B
      4  / Patent No. 6943153
      5  / GENERAL INFORMATION:
      6  / APPLICANT: Manning, William C., Jr.
      7  / APPLICANT: Dwarkl, Varavani J.
      8  / APPLICANT: Rendahl, Katherine
      9  / APPLICANT: Zhou, Shang-zhen
     10  / APPLICANT: McGe, Laura H.
     11  / APPLICANT: Lau, Dana
     12  / APPLICANT: Flannery, John G.
     13  / APPLICANT: Miller, Sheldon
     14  / APPLICANT: Wang, Fei
     15  / APPLICANT: Di Polo, Adriana
     16  / TITLE OF INVENTION: USE OF RECOMBINANT GENE DELIVERY VECTORS
     17  / TITLE OF INVENTION: FOR TREATING OR PREVENTING DISEASES OF THE EYE
     18  / FILE REFERENCE: pri588,005 (20263,40)
     19  / CURRENT APPLICATION NUMBER: US/09/665,493B
     20  / CURRENT FILING DATE: 2000-09-20
     21  / NUMBER OF SEQ ID NOS: 12
     22  / SOFTWARE: FastSeq for Windows Version 4.0
     23  / SEQ ID NO 6
     24  / LENGTH: 659
     25  / TYPE: DNA
     26  / ORGANISM: Homo sapien
     27  US-09-665-493B-6

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Query Match	98.3%	Score 638	DB 3	Length 659
Best Local Similarity	100.0%	Pred. No.	3.1e-306	
Matches 638; Conservative	0	Mismatches	0	

QY	1	ATGGAATGATAGATCTAGAGTTGGACCTCTGGACCTGAGGGTCCGACTGCCTCTGGTT	60
Db	14	ATGGAATGATAGATCTAGAGTTGGACCTGGACCTGAGGGTCCGACTGCCTCTGGTT	73
QY	61	GCTTCTCTCTGGGGGCTTACCAAGCAATACCCATCTCTGACTCCAGAGCCCCCTCTCCAG	120
Db	74	GCTTCTCTCTGGGGGCTTACCAAGCAATACCCATCTCTGACTCCAGAGCCCCCTCTCCAG	133
QY	121	TTTGGGGGCTCAAGTCCGSCAGGTACTCTTACACAGATGACAGCAAGAACAATAAGCC	180
Db	134	TTTGGGGGCTCAAGTCCGSCAGGTACTCTTACACAGATGACAGCAAGAACAATAAGCC	193
QY	181	CACCTGAGATCAGGGAGGATGGAACAAGTGTATGGCGCAGCACACCGAGTCCAGAAAGT	240
Db	194	CACCTGAGATCAGGGAGGATGGAACAAGTGTATGGCGCAGCACACCGAGTCCAGAAAGT	253
QY	241	CTCCGAGGCTCAAGGCTTGAAAGCCAGGGGTCATTCAATCTTGAGTGTCAAAAGCTCT	300

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Db 254 CTCCTGAGAGCTCAAGGCTTGAAGCCAGGGGTATTCAAATCCTGGGTGTCAAGGCTCT 313
QY 301 AGGTTCTTTGCCAACAAGCAGATGAGGCTCTATGATGCTCACTTTGATCTGAG 360
Db 314 AGGTTCTTTGCCAACAAGCAGATGAGGCTCTATGATGCTCACTTTGATCTGAG 373
QY 361 GCGTCGAGCTTCAGAGAACTGCTGTCGAGAGACGGTTACAATGTATCCAGTCTGAAGCC 420
Db 374 GCGTCGAGCTTCAGAGAACTGCTGTCGAGAGACGGTTACAATGTATCCAGTCTGAAGCC 433
QY 421 CATGAGCTGCCCCCTGCTGCTGCTCAGAGAGACTCCCCAAACAGATGCAATCTCTGG 480
Db 434 CATGAGCTGCCCCCTGCTGCTGCTCAGAGAGACTCCCCAAACAGATGCAATCTCTGG 493
QY 481 GGAAGCTGTGGCTTCTCTGCTCCATGCGAGGCTGTCTCAAGAGGCCCAAGACAGAGAGA 540
Db 494 GGAAGCTGTGGCTTCTCTGCTCCATGCGAGGCTGTCTCAAGAGGCCCAAGACAGAGAGA 553
QY 541 TTCCTGCCCCCAGAGCCCCCAGAGTGGGCTCCTCTGACCCCTGAGCATGTAGAGCCT 600
Db 554 TTCCTGCCCCCAGAGCCCCCAGAGTGGGCTCCTCTGACCCCTGAGCATGTAGAGCCT 613
QY 601 TTACAGGGCCGAAGCCCAAGCTATGCTCTGACTTT 638
Db 614 TTACAGGGCCGAAGCCCAAGCTATGCTCTGACTTT 651

RESULT 4
US-09-621-976-1353
; Sequence 1353, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J. B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J. Y.
; TITLE OF INVENTION: ESTE and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621.976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 1353
; LENGTH: 477
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 169..423
; NAME/KEY: sig_peptide
; LOCATION: 169..252
; OTHER INFORMATION: Von Heljne matrix
; OTHER INFORMATION: score 11.300001907349
; NAME/KEY: misc_feature
; LOCATION: 207..feature
; OTHER INFORMATION: n=a, g, c or t
US-09-621-976-1353

Query Match 4.5%; Score 29; DB 3; Length 477;
Best Local Similarity 100.0%; Pred. No. 0.00022;
Matches 29; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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APPLICANT: Kavanaugh, W. Michael
; TITLE OF INVENTION: HUMAN RGF-21 GENE AND GENE EXPRESSION
; FILE OF INVENTION: PRODUCTS
; FILE REFERENCE: PP-16758.001/201130.408
; CURRENT APPLICATION NUMBER: US/09/715,805
; CURRENT FILING DATE: 2000-11-16
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatsSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 643
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (9) ... (638)
US-09-715-805-3

Query Match 4.5%; Score 29; DB 3; Length 643;
Best Local Similarity 100.0%; Pred. No. 0.00022;
Matches 29; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 175 GAAGCCCACTGGAGATCAGGAGGATGG 203
Db 180 GAAGCCCACTGGAGATCAGGAGGATGG 208

RESULT 6
US-09-390-207-1
; Sequence 1, Application US/09390207
; Patent No. 6504530
; GENERAL INFORMATION:
; APPLICANT: Thomson, Arlen
; APPLICANT: Liu, Benxian
; TITLE OF INVENTION: Fibroblast Growth Factor-Like Polypeptides
; FILE REFERENCE: 99-371
; CURRENT APPLICATION NUMBER: US/09/390.207
; CURRENT FILING DATE: 1999-09-07
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 1
; LENGTH: 1190
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (142) .. (771)
US-09-390-207-1

Query Match 4.5%; Score 29; DB 3; Length 1190;
Best Local Similarity 100.0%; Pred. No. 0.00022;
Matches 29; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 175 GAAGCCCACTGGAGATCAGGAGGATGG 203
Db 313 GAAGCCCACTGGAGATCAGGAGGATGG 341

RESULT 7
US-09-390-207-7
; Sequence 7, Application US/09390207
; Patent No. 6504530
; GENERAL INFORMATION:
; APPLICANT: Thomson, Arlen
; APPLICANT: Liu, Benxian
; TITLE OF INVENTION: Fibroblast Growth Factor-Like Polypeptides
; FILE REFERENCE: 99-371
; CURRENT APPLICATION NUMBER: US/09/390.207
; CURRENT FILING DATE: 1999-09-07
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 7
; LENGTH: 21
; TYPE: DNA
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! ORGANISM: Mus musculus  
US-09-390-207-7

## Query Match

Best Local Similarity 3.2%; Score 21; DB 3; Length 21;  
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 TGGATGATGATGATCTTCTAG 22  
DB 1 TGGATGATGATGATCTTCTAG 21

## RESULT 8

US-09-390-207-10  
; Sequence 10, Application US/09390207  
; Patent No. 6504530  
; GENERAL INFORMATION:  
; APPLICANT: Thomson, Arlen  
; APPLICANT: Liu, Benxian  
; TITLE OF INVENTION: Fibroblast Growth Factor-Like Polypeptides  
; FILE REFERENCE: 99-371  
; CURRENT APPLICATION NUMBER: US/09/390,207  
; CURRENT FILING DATE: 1999-09-07  
; NUMBER OF SEQ ID NOS: 41  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 10  
; LENGTH: 37  
; TYPE: DNA  
; ORGANISM: Mus musculus  
US-09-390-207-10

## Query Match

Best Local Similarity 3.1%; Score 20; DB 3; Length 37;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGATGATGATGATCTTCTAG 20  
DB 18 ATGATGATGATGATCTTCTAG 37

## RESULT 9

US-09-949-016-15603  
; Sequence 15603, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; FILE REFERENCE: C1001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 15603  
; LENGTH: 7517  
; TYPE: DNA  
; ORGANISM: Human  
US-09-949-016-15603

## Query Match

Best Local Similarity 3.1%; Score 20; DB 3; Length 7517;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 24 TGGACCTGGGACTGTGGG 43  
DB 4167 TGGACCTGGGACTGTGGG 4186

RESULT 10  
US-09-390-207-11/c

; Sequence 11, Application US/09390207  
; Patent No. 6504530  
; GENERAL INFORMATION:  
; APPLICANT: Thomson, Arlen  
; APPLICANT: Liu, Benxian  
; TITLE OF INVENTION: Fibroblast Growth Factor-Like Polypeptides  
; FILE REFERENCE: 99-371  
; CURRENT APPLICATION NUMBER: US/09/390,207  
; CURRENT FILING DATE: 1999-09-07  
; NUMBER OF SEQ ID NOS: 41  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 11  
; LENGTH: 33  
; TYPE: DNA  
; ORGANISM: Mus musculus  
US-09-390-207-11

## Query Match

Best Local Similarity 2.9%; Score 19; DB 3; Length 33;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 612 AAGCCCACTATGCGTCC 630  
DB 33 AAGCCCACTATGCGTCC 15

## RESULT 11

US-09-774-528-292  
; Sequence 292, Application US/09774528  
; Patent No. 6743619  
; GENERAL INFORMATION:  
; APPLICANT: Tang, Y. Tom  
; APPLICANT: Zhou, Ping  
; APPLICANT: Goodrich, Ryle  
; APPLICANT: Liu, Chenghua  
; APPLICANT: Asundi, Vinod  
; APPLICANT: Ren, Feiyan  
; APPLICANT: Zhang, Jie  
; APPLICANT: Zhao, Qing A.  
; APPLICANT: Yang, Yonghong  
; APPLICANT: Xue, Aidong J.  
; APPLICANT: Weinman, Tom  
; APPLICANT: Wang, Jian-Rui  
; APPLICANT: Wang, Dunrui  
; APPLICANT: Drmanac, Radoje T.  
; TITLE OF INVENTION: No. 6743619el Nucleic Acids and  
; FILE REFERENCE: 802  
; CURRENT APPLICATION NUMBER: US/09/774,528  
; CURRENT FILING DATE: 2001-01-30  
; NUMBER OF SEQ ID NOS: 441  
; SOFTWARE: pc\_FU\_Genes Version 2.0  
; SEQ ID NO 292  
; LENGTH: 2658  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (46) .. (2454)  
US-09-774-528-292

## Query Match

Best Local Similarity 2.9%; Score 19; DB 3; Length 2658;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 423 TGGCTGCCCCCTGGCGTGG 441  
DB 1977 TGGCTGCCCCCTGGCGTGG 1995

RESULT 12  
US-10-120-988-292  
; Sequence 292, Application US/10120988  
; Patent No. 6919193  
; GENERAL INFORMATION:  
; APPLICANT: Tang, Y. Tom  
; APPLICANT: Goodrich, Ryle  
; APPLICANT: Liu, Chenghua  
; APPLICANT: Ren, Feiyan  
; APPLICANT: Wang, Dunrui  
; APPLICANT: Dimaac, Radoje T.  
; TITLE OF INVENTION: No. 6919193el Nucleic Acids and  
; TITLE OF INVENTION: Polypeptides  
; FILE REFERENCE: 802CON  
; CURRENT APPLICATION NUMBER: US/10/120, 988  
; CURRENT FILING DATE: 2002-04-11  
; PRIOR APPLICATION NUMBER: 09/774,528  
; PRIOR FILING DATE: 2001-01-30  
; NUMBER OF SEQ ID NOS: 441  
; SOFTWARE: Pf\_Fl\_genes Version 2.0  
; SEQ ID NO 292  
; LENGTH: 2658  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (46)..(2454)  
US-10-120-988-292

Query Match 2.9%; Score 19; DB 3; Length 2658;  
Best Local Similarity 100.0%; Pred. No. 20;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 423 TGGCCTGCCCCCTGCGTCTG 441  
Db 1977 TGGCCTGCCCCCTGCGTCTG 1995

RESULT 13  
US-10-104-047-781  
; Sequence 781, Application US/10104047  
; Patent No. 6943241  
; GENERAL INFORMATION:  
; APPLICANT: HELIX RESEARCH INSTITUTE  
; TITLE OF INVENTION: No. 6943241el Full length cDNA  
; FILE REFERENCE: H1-A0105  
; CURRENT APPLICATION NUMBER: US/10/104, 047  
; CURRENT FILING DATE: 2002-03-25  
; PRIOR APPLICATION NUMBER:  
; PRIOR FILING DATE:  
; NUMBER OF SEQ ID NOS: 4096  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 781  
; LENGTH: 2819  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-104-047-781

Query Match 2.9%; Score 19; DB 3; Length 2819;  
Best Local Similarity 100.0%; Pred. No. 20;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 104 CCAGCCCCCTCTCCAGTT 122  
Db 1904 CCAGCCCCCTCTCCAGTT 1922

RESULT 14  
US-09-949-016-13418  
; Sequence 13418, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.

;; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
;; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
;; FILE REFERENCE: CLO01307  
;; CURRENT APPLICATION NUMBER: US/09/949, 016  
;; CURRENT FILING DATE: 2000-04-14  
;; PRIOR APPLICATION NUMBER: 60/241,755  
;; PRIOR FILING DATE: 2000-10-20  
;; PRIOR APPLICATION NUMBER: 60/237,768  
;; PRIOR FILING DATE: 2000-10-03  
;; PRIOR APPLICATION NUMBER: 60/231,498  
;; PRIOR FILING DATE: 2000-09-08  
;; NUMBER OF SEQ ID NOS: 207012  
;; SOFTWARE: FastSeq for Windows Version 4.0  
;; SEQ ID NO 13418  
;; LENGTH: 236474  
;; TYPE: DNA  
;; ORGANISM: Human  
;; FEATURE:  
;; NAME/KEY: misc\_feature  
;; LOCATION: (1)..(236474)  
;; OTHER INFORMATION: n = A,T,C or G  
US-09-949-016-13418

Query Match 2.9%; Score 19; DB 3; Length 236474;  
Best Local Similarity 100.0%; Pred. No. 21;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 100 GACTCCAGCCCCCTCTCC 118  
Db 53425 GACTCCAGCCCCCTCTCC 53443

RESULT 15  
US-09-949-016-13969  
; Sequence 13969, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CLO01307  
; CURRENT APPLICATION NUMBER: US/09/949, 016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 13969  
; LENGTH: 301828  
; TYPE: DNA  
; ORGANISM: Human  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1)..(301828)  
; OTHER INFORMATION: n = A,T,C or G  
US-09-949-016-13969

Query Match 2.9%; Score 19; DB 3; Length 301828;  
Best Local Similarity 100.0%; Pred. No. 21;  
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 27 GACCTGGAGCTGTGGTTC 45  
Db 186430 GACCTGGAGCTGTGGTTC 186448

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(without alignments)  
2165.111 Million cell updates/sec

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Ygapop 10.0 , Ygapext 0.5	
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Delpop 6.0 , Delpext 7.0	

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Post-processing: Minimum Match 0%  
Maximum Match 100%

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-FCGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

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8:	/cg2_6/ptodata/1/ina/RE.COMB.seq:*
9:	/cg2_6/ptodata/1/ina/backfillseq.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1115	100.0	649	3	US-09-390-207-3
2	1115	100.0	659	3	US-09-715-805-1
3	1115	100.0	659	3	US-09-665-483B-6
4	866.5	71.4	1190	3	US-09-390-207-1
5	796.5	71.4	643	3	US-09-715-805-3
6	351.5	31.5	477	3	US-09-621-976-1353
7	262.5	23.5	651	3	US-09-949-016-2335
8	262.5	23.5	2137	3	US-09-907-794A-58
9	262.5	23.5	2137	3	US-09-905-125A-58

10	262.5	23.5	2137	3	US-09-902-775A-58	Sequence 58, Appl
11	262.5	23.5	2137	3	US-09-906-700-58	Sequence 58, Appl
12	262.5	23.5	2137	3	US-09-903-603A-58	Sequence 58, Appl
13	262.5	23.5	2137	3	US-09-904-920A-58	Sequence 58, Appl
14	262.5	23.5	2137	3	US-09-909-064-58	Sequence 58, Appl
15	262.5	23.5	2137	3	US-09-905-381A-58	Sequence 58, Appl
16	262.5	23.5	2137	3	US-09-906-646-58	Sequence 58, Appl
17	262.5	23.5	2137	3	US-09-904-462-58	Sequence 58, Appl
18	262.5	23.5	2137	3	US-09-902-736A-58	Sequence 58, Appl
19	262.5	23.5	2137	3	US-09-906-722A-58	Sequence 440, App
20	262.5	22.0	810	3	US-10-120-988-440	Sequence 440, App
21	245.5	22.0	996	3	US-09-991-181-510	Sequence 510, App
22	245.5	22.0	996	3	US-09-990-444-510	Sequence 510, App
23	245.5	22.0	996	3	US-09-997-333-510	Sequence 510, App
24	245.5	22.0	996	3	US-09-992-598-510	Sequence 510, App
25	245.5	22.0	996	3	US-10-000-489-25	Sequence 25, Appl
26	245.5	22.0	1239	3	US-09-949-016-2147	Sequence 2147, Ap
27	245.5	22.0	1608	3	US-09-621-976-171	Sequence 171, App
28	245.5	22.0	528	3	US-09-949-016-1109	Sequence 1109, Ap
29	219.5	19.7	744	3	US-09-949-016-2148	Sequence 2148, Ap
30	183.5	16.5	744	3	US-09-949-016-2148	Patent No. 5430019
31	183.5	16.5	599	9	US-09-949-016-2514	Sequence 2514, Ap
32	180.5	16.2	1220	3	US-08-478-486F-11	Sequence 11, Appl
33	180.5	16.2	1142	3	US-09-605-104A-5	Sequence 5, Appl
34	179.5	16.1	1142	3	PCT-US93-06251-11	Sequence 11, Appl
35	179.5	16.1	1219	6	US-08-187-780-2	Sequence 2, Appl
36	179.5	14.8	423	2	US-08-187-780-5	Sequence 5, Appl
37	165.5	14.8	423	2	US-08-478-485-2	Sequence 2, Appl
38	165.5	14.8	423	2	US-08-478-485-5	Sequence 5, Appl
39	165.5	14.8	423	2	US-08-478-485-5	Sequence 2, Appl
40	165.5	14.8	423	2	US-08-478-486F-2	Sequence 2, Appl
41	165.5	14.8	423	3	US-08-478-486F-5	Sequence 5, Appl
42	165.5	14.8	528	3	US-08-478-486F-10	Sequence 10, Appl
43	165.5	14.8	528	3	US-09-605-104A-4	Sequence 4, Appl
44	165.5	14.8	618	3	US-08-478-486F-9	Sequence 9, Appl
45	165.5	14.8	618	3		

#### ALIGNMENTS

RESULT 1  
US-09-390-207-3  
Sequence 3, Application US/09390207  
Patent No. 6504530  
GENERAL INFORMATION:  
APPLICANT: Thomason, Arlen  
TITLE OF INVENTION: Fibroblast Growth Factor-Like Polypeptides  
FILE REFERENCE: 99-371  
CURRENT APPLICATION NUMBER: US/09/390,207  
CURRENT FILING DATE: 1999-09-07  
NUMBER OF SEQ ID NOS: 41  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 3  
LENGTH: 649  
TYPE: DNA  
ORGANISM: Mus musculus  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (1)...(630)  
US-09-390-207-3  
Alignment Scores:  
Pred. No.: 6.27e-112  
Score: 1115.00  
Percent Similarity: 100.00%  
Best local Similarity: 100.00%  
Query Match: 100.00%  
DB: 3  
Gaps: 0  
US-09-391-861-4 (1-210) x US-09-390-207-3 (1-649)  
Cy 1 MetcIurpAetArGserArGValGlyThrlencIyLeutrpValArGleuLeuLeuA 20

RESULT2  
US-09-715-805-1  
; Sequence 1, Application US/09715805  
; Patent No. 6716626  
; GENERAL INFORMATION:  
; APPLICANT: ILLINOIS

US-09-715-805-1

014 11ACAGGCGCCGAGCCCCAGCTATGCGTCC 643

SEQUENCE ID NO 6

ORGANISM: Homo sapiens

US-09-665-493B-6

Alignment Scores:

Pred. No.:	6,41e-112	Length:	659
Score:	1115.00	Matches:	210
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Indels:	0
DB:	3	Gaps:	0

US-09-391-861-4 (1-210) x US-09-665-493B-6 (1-659)

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OY 1  MergLurPMeArGSeArGValGlyThrLeuGlyLeuTrpValArgLeuLeuLeuA 20
DB 14  ATGGAATGATGAAATCTAGAGTTGGAGCCTGGAGCTGGGTCGACCTCTGCTGCT 73
OY 21  ValPheLeuLeuGlyValTyrglnAlaTyrrProIleProAspSerProLeuLeuGln 40
DB 74  GTCTTCTGCTGGGGGCTTACCAAGCATACCCCATCTGACTCCAGCCCTCTCCAG 133
OY 41  PheGlyGlyGlnValArgGlnArgTyrrLeuTyrrThrAspAspArgGlnAspThrGlnA 60
DB 134  TTTCGGGGGTCAAGTCCGGCAGAGGTACCTCTACACAGATGACGACCAAGACACTGAAGCC 193
OY 61  HisLeuGlnIleArgGlnAspGlyThrValValGlnAlaHisArgSerProGlnSer 80
DB 194  CACCTGGAGATCAGAGGAGATGAGAAAGTGTAGAGCGACGACACCGAGTCCAGAAAGT 253
OY 81  LeuLeuGlnLeuLeuValAlaLeuLeuProGlyValIleGlnIleLeuGlyValIleAlaSer 100
DB 254  CTCCTGGAGCTCAAGGCTTGAACCGAGGCTCATTAATCTGGGTCAAAAGCTCT 313
OY 101  ArgPheLeuCyseGlnGlnProAspGlyAlaLeuTyrrGlySerProHisPheAspProGln 120
DB 314  AGGTTTCTTGGCCAAAGCCAGATGAGCTCTTATGATGCTCTCACTTTGATCTGAG 373
OY 121  AlaCyseSerPheArgGlnLeuLeuLeuGlnAspGlyTyrrAsnValTyrrGlnSerGlnA 140
DB 374  GCTTCAGAGCTTCAAGAACTGCTCTGAGAGACGATTACAAATGATGTCACATCTGAAGCC 433
OY 141  HisGlyLeuProLeuLeuArgLeuProGlnIleAspSerProAsnGlnAspAlaThrSerTrp 160
DB 434  CATGGCCCTGGCCCTCGCTGCTCAGAGAGACTCCCAAAACAGAGATGCAATCTCTGG 493
OY 161  GlyProValArgPheLeuProMetProGlyLeuLeuHisGlnUProGlnAspGlnAlaGly 180
DB 494  GGACCTGTGGCTTCTGCTGCCATGCTCAGGCTGCTCCACGAGCCCAAGACCAAGCAGGA 553
OY 181  PheLeuProProGlnUProProAspValGlySerSerAspProLeuSerMetValGlnPro 200
DB 554  TTCTGTGCCCCAGAGCCCCAGATGTGGCTCTCTGACCCCTGAGCATGTGTAGAGCT 613
OY 201  LeuGlnGlyArgSerProSerTyrrAlaSer 210
DB 614  TTACAGGGCCGAAAGCCCAAGCTATGCTGCC 643
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RESULT 4  
US-09-390-207-1  
Sequence 1, Application US/09390207  
Patent No. 6504530  
GENERAL INFORMATION:  
APPLICANT: Thomason, Arlen  
APPLICANT: Liu, Benxian  
TITLE OF INVENTION: Fibroblast Growth Factor-Like Polypeptides  
FILE REFERENCE: 99-371  
CURRENT APPLICATION NUMBER: US/09/390,207  
CURRENT FILING DATE: 1999-09-07  
NUMBER OF SEQ ID NOS: 41  
SOFTWARE: Patent Ver. 2.0  
SEQ ID NO 1  
LENGTH: 1190  
TYPE: DNA  
ORGANISM: Homo sapiens

FEATURE:  
NAME/KEY: CDS  
LOCATION: (142) .. (771)  
US-09-390-207-1

Alignment Scores:

Pred. No.:	4,82e-78	Length:	1190
Score:	806.50	Matches:	163
Percent Similarity:	82.86%	Conservative:	11
Best Local Similarity:	77.62%	Mismatches:	33
Query Match:	72.33%	Indels:	4
DB:	3	Gaps:	2

US-09-391-861-4 (1-210) x US-09-390-207-1 (1-1190)

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OY 3  TrpMetArgSerArgValGly-----ThrLeuGlyLeuTrpValArgLeuLeuLeuA 20
DB 143  TGGACTCGAGAGACCGGGTTCCAGACACTCA-GGACTGTGGGTTCT--GTGCTGGCT 198
OY 21  ValPheLeuLeuGlyValTyrglnAlaTyrrProIleProAspSerProLeuLeuGln 40
DB 199  GGTCTTCTGCTGGAGCTCCAGGACACCCCATCTGACTTCAGTCTCTCTGCAA 258
OY 41  PheGlyGlyGlnValArgGlnArgTyrrLeuTyrrThrAspAspArgGlnAspThrGlnA 60
DB 259  TTGGGGGCCAAGTCCGGCAGCGGTACTCTACACAGATATGCTCCAGCAGACGAAGCC 318
OY 61  HisLeuGlnIleArgGlnAspGlyThrValValGlnAlaHisArgSerProGlnSer 80
DB 319  CACCTGGAGATCAGAGGAGATGGAGCGTGGGGGGCTGCTGACAGAGCCCGAAAGT 378
OY 81  LeuLeuGlnLeuLeuValAlaLeuLeuProGlyValIleGlnIleLeuGlyValIleAlaSer 100
DB 379  CTCCTGAGCTGAAGCTTGAAGCCGGAGTTATTAATCTTGGAGTCAAGACATCC 438
OY 101  ArgPheLeuCyseGlnGlnProAspGlyAlaLeuTyrrGlySerProHisPheAspProGln 120
DB 439  AGTCTCTGTGCCAGCGCCAGATGGGCTCTGATGATCGCTCCACTTTGACCTGAG 498
OY 121  AlaCyseSerPheArgGlnLeuLeuLeuGlnAspGlyTyrrAsnValTyrrGlnSerGlnA 140
DB 499  GCTGCAGAGTTCCGGAGAGTGTCTTGAAGACGAGATACATGTTTACCATCGGAGCC 558
OY 141  HisGlyLeuProLeuLeuArgLeuProGlnIleAspSerProAsnGlnAspAlaThrSerTrp 160
DB 559  CAGGCTCTCCCGCTGACCTGCAAGAACAGTCCCAACAGCGGACCTGCAACCCGA 618
OY 161  GlyProValArgPheLeuProMetProGlyLeuLeuHisGlnUProGlnAspGlnAlaGly 180
DB 619  GAGACAGCTGCTTCTGCTGCACTACAGAGCTGCCCCCGACCCCGAGGCCACCCGGA 678
OY 181  PheLeuProProGlnUProProAspValGlySerSerAspProLeuSerMetValGlnPro 200
DB 679  ATCTGTGCCCCCAGAGCCCCCGATGTGGCTCTCTGAGACCTCTGACATGTGTGAGCT 738
OY 201  LeuGlnGlyArgSerProSerTyrrAlaSer 210
DB 739  TCCAGGGCCGAAAGCCCAAGCTACGCTTCC 768
```

RESULT 5  
US-09-715-805-3  
Sequence 3, Application US/09715805  
Patent No. 6716626  
GENERAL INFORMATION:  
APPLICANT: Itoh, No. 6716626yuki  
APPLICANT: Kavanagh, W. Michael  
TITLE OF INVENTION: HUMAN RGF-21 GENE AND GENE EXPRESSION  
FILE REFERENCE: PP-16758.001/201130.408  
CURRENT APPLICATION NUMBER: US/09/715,805  
CURRENT FILING DATE: 2000-11-16  
NUMBER OF SEQ ID NOS: 17  
SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 3  
 ; LENGTH: 643  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; NAME/KEY: CDS  
 ; LOCATION: (9)...(638)  
 US-09-715-805-3

## Alignment Scores:

Pred. No.:	2,46e-77	Length:	643
Score:	796.50	Matches:	162
Percent Similarity:	82.38%	Conservative:	11
Best Local Similarity:	77.14%	Mismatches:	34
Query Match:	71.43%	Indels:	4
DB:	3	Gaps:	2

US-09-391-861-4 (1-210) x US-09-715-805-3 (1-643)

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QY      3  TrrMeuArgSerArgValGly-----ThrlenglyLeuTrrValArgLeuLeuLeu1a 20
DB      10  TGGACTCGGACGAGCCGGGCTTCGAGCACTCA-GGACTGGGTTCT--GTCCTGGCT 65
QY      21  ValPheLeuLeuGlyValTrrGlnAlaTrrProIleProAspSerProLeuLeuGln 40
DB      66  GGTCTTCTGCTGGAGCTGCGCAGGACACCCCATCTCACTCCAGTCTCTCCGCA 125
QY      41  PheGlyGlyGlnValArgGlnArgTrrLeuTrrThrAspAspArgGlnAspThrGlnAla 60
DB      126  TTCGGGGGCAAGTCCGCGACCGGTACTCTTACACAGATATCCACAGACAGAGAGGCC 185
QY      61  HisLeuGlnIleArgGluAspGlyThrValValGlyAlaAlaHisArgSerProGluSer 80
DB      186  CACCTGGAGATCAGAGAGATGGACCGTGGGGCGCTGCTGACCAAGAGCCCGAAGT 245
QY      81  LeuLeuGlyLeuValAlaLeuLysProGlyValIleGlnIleLeuGlyValLysAlaSer 100
DB      246  CTCCTGAGCTGAAAGCTTGAAGCCGGAGTTATTCAAATCTTGGAGTCAAGACATCC 305
QY      101  ArgPheLeuGlyGlnGlnProAspGlyAlaLeuTrrGlySerProHisPheAspProGlu 120
DB      306  AGGTTCTGTGCGACGGGGCAAGTGGGGCCCTGTATGATGCTTCACTTGAACCTGAG 365
QY      121  AlaGlySerPheArgGlyLeuLeuLeuGlnAspGlyTrrAsnValTrrGlnSerGlnAla 140
DB      366  GCTTGAAGCTTCCGGAGCTGCTTCTTGAAGACGATACATGTTTACAGTCCGAAAGCC 425
QY      141  HisGlyLeuProLeuArgLeuProGlnLysAspSerProAspGlnAspAlaThrSerTrp 160
DB      426  CACGGCTCTCCGCTGACCTGACAGGAAACAAATCCCAACCGGACCCCTGCACCCGA 485
QY      161  GlyProValArgPheLeuProMetProGlyLeuLeuHisGlnProGlnAspGlnAlaGly 180
DB      486  GGAACAGCTCGCTTCTCTCACTACACAGGCTGCCCCCGACATCCCGAGAGCCAGCCGA 545
QY      181  PheLeuProProGluProProAspValGlySerSerAspProLeuSerMetValGluPro 200
DB      546  ATCCCTGGCCCCCGAGCCCGGATGGGCTCTTCGAGCCCTTGAGCATGTGTGGAGACT 605
QY      201  LeuGlnGlyArgSerProSerTrrAlaSer 210
DB      606  TCCCAAGGCGGAGACCCCACTACGCTTCC 635
  
```

## RESULT 6

US-09-621-976-1353  
 ; Sequence 1353, Application US/09621976  
 ; Patent No. 6639063  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Dumas Milne Edwards, J.B.  
 ; APPLICANT: Giordano, J.Y.  
 ; TITLE OF INVENTION: ESTs and Encoded Human Proteins.  
 ; FILE REFERENCE: GENSET.054PR2

; CURRENT APPLICATION NUMBER: US/09/621,976  
 ; CURRENT FILING DATE: 2000-07-21  
 ; NUMBER OF SEQ ID NOS: 19335  
 ; SOFTWARE: Patent.pm  
 ; SEQ ID NO 1353  
 ; LENGTH: 477  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; NAME/KEY: CDS  
 ; LOCATION: 169..423  
 ; NAME/KEY: sig\_peptide  
 ; LOCATION: 169..252  
 ; OTHER INFORMATION: Von Heijne matrix  
 ; OTHER INFORMATION: score 11.300001907349  
 ; OTHER INFORMATION: seq SVLAGLLGACQA/HP  
 ; NAME/KEY: misc\_feature  
 ; LOCATION: 207  
 ; OTHER INFORMATION: n=a, g, c o r t

US-09-621-976-1353

## Alignment Scores:

Pred. No.:	3,54e-29	Length:	477
Score:	351.50	Matches:	80
Percent Similarity:	83.17%	Conservative:	4
Best Local Similarity:	79.21%	Mismatches:	15
Query Match:	31.52%	Indels:	3
DB:	3	Gaps:	1

US-09-391-861-4 (1-210) x US-09-621-976-1353 (1-477)

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QY      5  ArgSerArgValGlyThrLeu-GlyLeuTrrValArgLeuLeuLeu1aPheLeuLeu 24
DB      180  CGARACCGGCTTCAGACACTCAGGCGCTNTGGTTCT--GTCCTGGCTGCTCTTCTGCT 236
QY      24  uGlyValTrrGlnAlaTrrProIleProAspSerProLeuLeuGlnPheGlyGlyGly 44
DB      237  GGGAGCTCCGACAGACACCCCATCTCGATTCAGTCCGCTCTCTTCAATTCGGGGGCA 296
QY      44  nValArgGlnArgTrrLeuTrrThrAspAspArgGlnAspThrGlnAlaHisLeuGlu 64
DB      297  AGTCCGGAGCGGACTTTCACAGATGATGCCACAGACAGAGAGCCACCTGAGAT 356
QY      64  eArgGluAspGlyThrValValGlyAlaAlaHisArgSerProGluSerLeuLeuGlu 84
DB      357  CAGGAGAGTGGACGCTGGGGCGCTGCTGACACAGAGCCCGAAAGTCTCTCAGCT 416
QY      84  uValAlaLeuLysProGlyValIleGlnIleLeuGlyValLysAlaSerArgPheLeuCy 104
DB      417  GAAASC-TTGAACCGGAGCTTTCAAATCTTGGAGTCAAGACATCCAGATTCTGTG 475
QY      104  s 104
DB      476  C 476
  
```

## RESULT 7

US-09-949-016-2335  
 ; Sequence 2335, Application US/09949016  
 ; Patent No. 6812339  
 ; GENERAL INFORMATION:  
 ; APPLICANT: VENTER, J. Craig et al.  
 ; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
 ; FILE REFERENCE: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
 ; CURRENT APPLICATION NUMBER: US/09/949,016  
 ; CURRENT FILING DATE: 2000-04-14  
 ; PRIOR APPLICATION NUMBER: 60/241,755  
 ; PRIOR FILING DATE: 2000-10-20  
 ; PRIOR APPLICATION NUMBER: 60/237,768  
 ; PRIOR FILING DATE: 2000-10-03  
 ; PRIOR APPLICATION NUMBER: 60/231,498  
 ; PRIOR FILING DATE: 2000-09-08  
 ; NUMBER OF SEQ ID NOS: 207012

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; SOFTWARE:FastSEQ for Windows Version 4.0
; SEQ ID NO 2335
; LENGTH: 651
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-2335

Alignment Scores:
Pred. No.: 2,566-19 Length: 651
Score: 262.50 Matches: 75
Percent Similarity: 50.00% Conservative: 33
Best Local Similarity: 34.72% Mismatches: 95
Query Match: 23.54% Indels: 13
DB: 3 Gaps: 8

US-09-391-861-4 (1-210) x US-09-949-016-2335 (1-651)

OY 4 MetArgSerArgValGlyThrLeuGlyLeuTyrValArgLeuLeuValAlaPheLeu 23
Db 1 ATGGCGAGCGGCTGTGTGGTGTCCACGTATGATC-----CTGGCCGGCTTGCGTG 54
OY 24 LeuGlyAlaTyrGlnAlaTyrProIleProAspSerProLeuGlnInHe----- 41
Db 55 GCCGTGGCCGGGCGCCCTCCGCTTCTCGAAGCGGGGCCCCACGTGCATACGCGTG 11
OY 42 GlyGlyGlnValArgGlnArgTyrLeuTyrThrAspAspArgGlnAsp---ThrGlnAla 60
Db 115 GGGCAACCCATCCGCCCTGGCCGACCTTACCTCCGGCCCCCAGCGGCTCCAGCTGC 17
OY 61 HisLeuGlnIleArgGlnAspGlyThrValValGlyAlaHisArgSerProGlnSer 80
Db 175 TTCTGTGGCATCCGTGCCGACGCGCTGTGACTGCGCGCGGGGCGACAGCGCACAGT 23
OY 81 LeuLeuGlnLeuValAlaLeuLysProGlyValIleGlnIleLeuGlyValLysAlaSer 100
Db 235 TTGCTGGAGATCAAGGAGAGTCGCTCGCGGACCGTCCCATTAAGGCGCTGCACGCTG 29
OY 101 ArgPheLeuGlyGlnGlnProAspArgValAlaLeuTyrGlySerProHisPheAspProGlu 120
Db 295 CGGTAACCTGTGCATCGGCGCGCGGACGGAAGATGCAGAGGCTGCTTCAGTACGCGAGGA 35
OY 121 AlaCysSerPheArgGlnLeuLeuLeuGlnAspGlyTyrAsnValTyrGlnSerGlnAla 140
Db 355 GACGTGCTCTTCCAGGAGAGATCCGCCGACAGTGCATACATGTACCCGATCCAGAAAG 41
OY 141 HisGlyLeuProLeuAspGlnArgLeuProGln---LysAspSerProAsnGlnAspLathSer 150
Db 415 CACCGCCCTCCGGGTCTCCCTGACGACGTCCAAACAGCGGCACTGTACAAAGACAGAGC 47
OY 160 TrpGlyProVal---ArgPheLeuProMet---ProGlyLeuLeuHisGlnProGlnAsp 177
Db 475 TTCTTCCACACTCTCATTTTCTGAGCCATGCTCCCATGCTCCCAAGAGAGCTGAGAC 53
OY 178 GlnAlaGlyPheLeuProProGlu-----ProProAspValGlySerSerAsp 190
Db 535 CTCAGGGGCACTGGATGTGCATGTTCTTTCGCCCTCTGAACACGACGACGTATGAC 594
OY 194 ProLeuSerMetValGlnProLeuGlnGlnGly---ArgSerProSerTyr 208
Db 595 CCAATTGGGCTGTGCACCGGACTGGAGGCGCGTGAAGAGTCCAGGCTTT 642

RESULT 8
US-09-907-794A-58
; Sequence 58, Application US/0907794A
; Patent No. 6635468
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashtkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Deenoyere, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Flivaioff, Ellen

```

```

APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerltsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Macher, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/907, 794A
CURRENT FILING DATE: 2001-07-17
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143, 048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145, 698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146, 222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 58
LENGTH: 2137
TYPE: DNA
ORGANISM: Homo sapiens
US-09-907-794A-58

Alignment Scores:
Pred. No.: 1,38e-18
Score: 262.50
Percent Similarity: 50.00%
Best Local Similarity: 34.72%
Query Match: 23.54%
DB: 3
Gaps: 8
2137
75
33
95
13
8
US-09-391-861-4 (1-210) x US-09-907-794A-58 (1-2137)

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```

QY      81  LeuLeuGluLeuValLeuLeuYProGluValIleGlnIleLeuGluValIlyuAlaSer 100
Db      698  TTGCTGGAGATCGAAGGACAGTCCGCTCTGGGAGCCGTCGACATTAAGGGCTGCACACGGTG 757
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Db      758  CGGTAACCTCTGCATGGGCGGCGGACCGGACAGATGCAGAGGGGCTGCTTCAGATCTGGAGGAA 817
QY      121  AlaCySerPheAaArgGluLeuLeuLeuGluAaArgGlyTyTArgValTyTArgIleSerGluAla 140
Db      818  GACGTGTGCTTTCGAGAGGAGAGATCCGCCACAGTGTGCTCAATGTATACGATGCCAGACAG 877
QY      141  HisGlyLeuProLeuArgLeuProGln---LysAaSerProAaGlnAaPrlAaPrlAaHisSer 159
Db      878  CACCGCGCTCCGGGTCTCCCTCTGAGACAGTGCACAAACAGGCGGACGCTGACAAACACAGAGCG 937
QY      160  TrpGluProVal---ArgPheLeuProMet---ProGlyLeuLeuHisGluLeuProGlnAaPrl 177
Db      938  TTTCTTCCACATCTGTCAATTTCTGTGCGGACATGTGCGGACATGATGCCAAGAGAGAGCTGAGGAC 997
QY      178  GlnAlaGlyPheLeuProProGluV-----ProProAaPValGlyIleSerAaPrl 193
Db      998  CTCAGGGGCGCACTGGAACTGCACATGTCTTCTTGCGCCCTCGAGAACCGACACGACATGAGAC 1057
QY      194  ProLeuSerMetValGluProLeuGlnGly---ArgSerProSerTyT 208
Db      1058  CCAATTTGGGCTTGTTCACCGGACATGGAGGCGCGTGAAGAGATGCCACGCTTT 1105

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RESULT 10  
 US-09-902-775A-58  
 / Sequence 58. Application US/09902775A  
 Patent No. 6686451  
 GENERAL INFORMATION:  
 APPLICANT: Genentech, Inc.  
 APPLICANT: Ashkenazi, Avi  
 APPLICANT: Botstein, David  
 APPLICANT: Deenoyers, Luc  
 APPLICANT: Eaton, Dan L.  
 APPLICANT: Ferrara, Napoleone  
 APPLICANT: Filvaroff, Ellen  
 APPLICANT: Fong, Sherman  
 APPLICANT: Gao, Wei-Qiang  
 APPLICANT: Gerber, Hanspeter  
 APPLICANT: Gerritsen, Mary E.  
 APPLICANT: Goddard, A.  
 APPLICANT: Godowski, Paul J.  
 APPLICANT: Grimaldi, Christopher J.  
 APPLICANT: Gurney, Aueeth L.  
 APPLICANT: Hillan, Kenneth, J.  
 APPLICANT: Kijavini, Ivar J.  
 APPLICANT: Mather, Jennie P.  
 APPLICANT: Pan, James  
 APPLICANT: Paont, Nicholas F.  
 APPLICANT: Roy, Margaret Ann  
 APPLICANT: Stewart, Timothy A.  
 APPLICANT: Tumas, Daniel  
 APPLICANT: Williams, P. McKey  
 APPLICANT: Wood, William, I.  
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 Acids Encoding the Same  
 Pile Reference: 10466-14  
 CURRENT APPLICATION NUMBER: US/09/902,775A  
 CURRENT FILING DATE: 2001-07-10  
 PRIOR APPLICATION NUMBER: PCT/US00/04414  
 PRIOR FILING DATE: 2000-02-22  
 PRIOR APPLICATION NUMBER: US 60/143,048  
 PRIOR FILING DATE: 1999-07-07  
 PRIOR APPLICATION NUMBER: US 60/145,698  
 PRIOR FILING DATE: 1999-07-26  
 PRIOR APPLICATION NUMBER: US 60/146,222  
 PRIOR FILING DATE: 1999-07-28  
 PRIOR APPLICATION NUMBER: PCT/US99/20594

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1 PRIOR FILING DATE: 1999-09-08
2 PRIOR APPLICATION NUMBER: PCT/US99/20944
3 PRIOR FILING DATE: 1999-09-13
4 PRIOR APPLICATION NUMBER: PCT/US99/21090
5 PRIOR FILING DATE: 1999-09-15
6 PRIOR APPLICATION NUMBER: PCT/US99/21547
7 PRIOR FILING DATE: 1999-09-15
8 PRIOR APPLICATION NUMBER: PCT/US99/23089
9 PRIOR FILING DATE: 1999-10-05
10 PRIOR APPLICATION NUMBER: PCT/US99/28214
11 PRIOR FILING DATE: 1999-11-29
12 PRIOR APPLICATION NUMBER: PCT/US99/28313
13 PRIOR FILING DATE: 1999-11-30
14 PRIOR APPLICATION NUMBER: PCT/US99/28564
15 PRIOR FILING DATE: 1999-12-02
16 PRIOR APPLICATION NUMBER: PCT/US99/28565
17 PRIOR FILING DATE: 1999-12-02
18 APPLICATION NUMBER: PCT/US99/30095
19 APPLICATION NUMBER: PCT/US99/30911
20 PRIOR FILING DATE: 1999-12-20
21 PRIOR APPLICATION NUMBER: PCT/US99/30999
22 PRIOR FILING DATE: 1999-12-20
23 APPLICATION NUMBER: PCT/US00/00219
24 PRIOR FILING DATE: 2000-01-05
25 NUMBER OF SEQ ID NOS: 423
26 SEQ ID NO 58
27 LENGTH: 2137
28 TYPE: DNA
29 ORGANISM: Homo sapiens
30 US-09-902-775A-58

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Pred. No.:	1,386-18	Length:	7137
Score:	262.50	Matches:	25
Percent Similarity:	50.00%	Conservative:	33
Best Local Similarity:	34.72%	Mismatches:	95
Query Match:	23,54%	Indels:	13
DB:	3	Gaps:	8

  

US-09-391-861-4 (1-210) x US-09-902-775A-56 (1-2137)	
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Dd	::: 518 GCCGTGGCGGGGGCCCCCTGCCCTTCCTGGACGGGGGGCCCAAGTCACATACGGCTGG 57
QY	42 GlyGlyGlnValArgGlnArgTygLeuTyrThraPhePheArgGlnAsp--ThgGluAla 60
Dd	:   : 578 GGGACCCCATCCGCTCGCGCACCTGTAAACCTCGGCCCCCAAGCGGCTTCAGACTGC 63
QY	61 HisLeuGlnIleArgGlnAspGlyThrValValGlyAlaHisArgSerProGlnSer 80
Dd	 638 TTCCTGGCATCCGTGCCAGCGCGCTGTGGACTCGCGGGGGGCAAGAGGCCACACTG 69
QY	81 LeuLeuGlnLeuValAlaLeuIleuAspProGlyValIleGlnIleLeuGlyValIleAspSer 100
Dd	 698 TTGCTTGGAATCAAAGGCACTCGCTTCGGGACCCTGGCCATTAAGAGGCTGCACAGCTG 75
QY	101 ArgPheLeuCysGlnGlnInProAspGlyAlaLeuTyrglySerProHisPheAspProGlu 120
Dd	 758 CGGTACTCTGCATGGGGCGGCGGCAAGATGCAGGGGCTGCTTCACTACTCGAGGAA 81
QY	121 AlaCysSerPheArgGlnLeuLeuLeuGlnGlnAspGlyTyraenValTyrglnSerGlnAla 140
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QY	141 HisGlyLeuProLeuArgLeuProGln--LysAspSerProAsnGlnAspAlaThrSer 155
Dd	 878 CACCGGCTTCGGATCTCCCTGAGAGCTGCACAAACGCGGCAAGCTGTACAAGACAGAGC 93

US-09-906-700-58  
; Sequence 58, Application US/09906700  
; Patent No. 6723535  
; GENERAL TECHNOLOGY

1 INFORMATION:  
 2 APPLICANT: Genentech, Inc.  
 3 APPLICANT: Ashkenazi, Avi  
 4 APPLICANT: Botstein, David  
 5 APPLICANT: Desnoyers, Luc  
 6 APPLICANT: Eston, Dan L.  
 7 APPLICANT: Ferrara, Napoleone  
 8 APPLICANT: Flvaroff, Ellen  
 9 APPLICANT: Fong, Sherman  
 10 APPLICANT: Gao, Wei-Qiang  
 11 APPLICANT: Gerber, Hanspeter  
 12 APPLICANT: Gerritsen, Mary E.  
 13 APPLICANT: Goddard, A.  
 14 APPLICANT: Godowski, Paul J.  
 15 APPLICANT: Grimaldi, Christopher J.  
 16 APPLICANT: Gurney, Austin L.  
 17 APPLICANT: Hillan, Kenneth J.  
 18 APPLICANT: Kijavlin, Ivar J.  
 19 APPLICANT: Mather, Jennie F.  
 20 APPLICANT: Pan, James  
 21 APPLICANT: Paoni, Nicholas F.  
 22 APPLICANT: Roy, Margaret Ann  
 23 APPLICANT: Stewart, Timothy A.  
 24 APPLICANT: Tumas, Daniel  
 25 APPLICANT: Williams, P. Mickey  
 26 APPLICANT: Wood, William, I.  
 27 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 28 FILE REFERENCE: Acids Encoding the Same  
 29 CURRENT APPLICATION NUMBER: 10466-14  
 30 CURRENT FILING DATE: US/09/906,700  
 31 PRIOR APPLICATION NUMBER: PCT/US00/04414  
 32 PRIOR FILING DATE: 2000-09-18  
 33 PRIOR APPLICATION NUMBER: PCT/US99/21090  
 34 PRIOR FILING DATE: 1999-09-13  
 35 PRIOR APPLICATION NUMBER: PCT/US99/21090  
 36 PRIOR FILING DATE: 1999-09-15  
 37 PRIOR APPLICATION NUMBER: PCT/US99/21090  
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 100 PRIOR FILING DATE: 1999-09-15

ORGANISM: Homo sapiens  
US-09-906-700-58

Score:	1.38e-18	Length:	2137
Percent Similarity:	262.50	Matches:	75
Best Local Similarity:	50.00%	Conservative:	33
Query Match:	34.72%	Mismatches:	95
DB:	23.54%	Indels:	13

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81 TGGACTGCGCGGGGCCAGAGCGCCACAGT 697

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570 CACCGCCGCCGCTCCCTGAGCAGTGC<sup>AA</sup>ACAGCGGCAGCTGTACAGAAGACAGAGGC 937

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RESULT 12  
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; Sequence 58, Application US/09903603A



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? Patent No.6767995
? GENERAL INFORMATION:
? APPLICANT: Genentech, Inc.
? APPLICANT: Ashkenazi, Avi
? APPLICANT: Botstein, David
? APPLICANT: Deenoyers, Luc
? APPLICANT: Eaton, Dan L.
? APPLICANT: Ferrara, Napoleone
? APPLICANT: Filvaroff, Ellen
? APPLICANT: Fong, Sherman
? APPLICANT: Gao, Wei-Qiang
? APPLICANT: Gerber, Hanspeter
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? APPLICANT: Goddard, A.
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? APPLICANT: Grimaldi, Christopher J.
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? APPLICANT: Kljavin, Ivar J.
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? APPLICANT: Pan, James
? APPLICANT: Paoni, Nicholas F.
? APPLICANT: Roy, Margaret Ann
? APPLICANT: Stewart, Timothy A.
? APPLICANT: Tumas, Daniel
? APPLICANT: Williams, P. Mickey
? APPLICANT: Wood, William, I
? TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
? FILE REFERENCE: GNE.1618P2C12
? CURRENT APPLICATION NUMBER: US/09/903,603A
? CURRENT FILING DATE: 2001-07-11
? PRIOR APPLICATION NUMBER: PCT/US00/04414
? PRIOR FILING DATE: 2000-02-22
? PRIOR APPLICATION NUMBER: US 60/143,048
? PRIOR FILING DATE: 1999-07-07
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? PRIOR FILING DATE: 1999-07-28
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? PRIOR APPLICATION NUMBER: PCT/US99/30095
? PRIOR FILING DATE: 1999-12-16
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? PRIOR FILING DATE: 1999-12-20
? PRIOR APPLICATION NUMBER: PCT/US99/30999
? PRIOR FILING DATE: 1999-12-20
? PRIOR APPLICATION NUMBER: PCT/US00/00219
? NUMBER OF SEQ ID NOS: 423
? SEQ ID NO 58
? LENGTH: 2137
? TYPE: DNA
? ORGANISM: Homo sapiens
? US-09-903-603A-58

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Pred. No.:	1	38e-18		Length:	2137
Score:	262.50			Matches:	75
Percent Similarity:	50.00%			Conservative:	33
Best Local Similarity:	34.72%			Mismatches:	95
Query Match:	23.54%			Indels:	13
DB:	3			Gaps:	8

  

US-09-391-861-4 (1-210) × US-09-903-603A-58 (1-2137)

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Db      464 ATGGCGAGCGGGGTGTGTGTGTGCACGATATGATC-----CTGGCGGGCTTCGGCTG 517
QY      24 LeuglYalTYrGLnAlaTYrProIlerPrrarSerSerProLeuLeuLnPh----- 41
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Db      578 GGCGACCCCATTCGGCTGGCGGACCTGTACACTCCGGGCCCCACCAGGGCTCTCCAGCTCC 637
QY      61 HlsleuglnlleargluARpsLYrThralValglualanlarSerProgluSer 80
Db      638 TTCTCGGCCCATTCGTCGCCGACGGCGCTGTGACCTGGCGGGGGCGGACAGCGCCGACGT 697
QY      81 LeuleuglnLeuLeuAlaLeuLyBrolYValllEgnllleuglYVallylaAser 100
Db      698 TTGCTGAGATATCAAGGACGATCGCTCTCGGACCGTGGCCATCAAGGCGCTGCACAGCTG 757
QY      101 ArgPheLeuCYGngInProrABrLYlaleuTYrYgerProhiVhenarProglu 120
Db      758 CGGTACCTCTGCATGGGGGCGCGGACGGAAGATGCGAGGAGCTTCAGTACTCGAGAGA 817
QY      121 AlaCyserPheArgGlnleuLeuLeuGluaBRpGYrYAenValTYrGlnSerGlua 140
Db      818 GACTGTGCTTTGAGGAGAAAGATCCGCCCAATGCTCAATGTGTACCGATCCGAGAG 877
QY      141 HisglYleuProLeuArgLeuProGln--LyAsPserProAnGlnAprAlathSer 159
Db      878 CACGCGCTCCCGGTCTCCCTTGACAGTGCACAAACAGCGGACGTGTACMAAGAACAGAGC 937
QY      160 TrpgLY-ProVal---ArgPheLeuProMet---ProglYleuLeuHisgluProGlnApr 177
Db      938 TTTCTTCACCTCTCATTTCTCTGCCCATTGCTGCCCATGCTCCAGAGAGCTTAGGNC 997
QY      178 GlnlaaglYpheLeuProProglu-----ProproAprValIGlySerSerApr 193
Db      998 CTCAGGGGCGACTTGGAAATCTGACATGTCTTCTTGGCCCCCTGGAGAACGACATGGAC 105
QY      194 ProLeuSerMetValGluProLeuGlnGly---ArgSerProSerTYr 208
Db      1058 CCATTGGGCTTGTTCACCGAAGCTGGAGGCGGTGAGGAATCCAGCTTT 1105
    
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RESULT 13

US-09-904-920A-58

; Sequence 58, Application US/09904920A

; Patent No. 6806352

GENERAL INFORMATION:

- ; APPLICANT: Genentech, Inc.
- ; APPLICANT: Ashkenazi, Avi
- ; APPLICANT: Botstein, David
- ; APPLICANT: Desnoyers, Luc
- ; APPLICANT: Eaton, Dan L.
- ; APPLICANT: Ferrara, Napoleone
- ; APPLICANT: Filvaroff, Ellen
- ; APPLICANT: Fong, Sherman
- ; APPLICANT: Gao, Wei-Qiang
- ; APPLICANT: Gerber, Hanspeter
- ; APPLICANT: Gerritsen, Mary E.
- ; APPLICANT: Goddard, A.
- ; APPLICANT: Godowski, Paul J.
- ; APPLICANT: Grimaldi, Christopher J.







GenCore version 5.1.6  
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OM protein - nucleic search, using frame\_plus.p2n model

Run on: November 28, 2005, 11:00:31 : Search time 160.382 Seconds  
(without alignments)  
2327.495 Million cell updates/sec

Title: US-09-391-861-4

Perfect score: 210  
Sequence: 1 MEMMRSRVGLGLVLRLLA.....SSDPLSNVPEPLQGRSPSYAS 210

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Ygapop 60.0 , Ygapext 60.0  
Fgapop 6.0 , Fgapext 7.0  
Delop 6.0 , Delext 7.0

Searched: 1303057 seqs, 888780828 residues

Word size: 1

Total number of hits satisfying chosen parameters: 2599977

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Command line parameters:

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-LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=oligo -TRANS=human40.cdt  
-LIST=45 -DOCALLIGN=200 -THR.SCORE=quality -THR.MIN=1 -ALIGN=15 -MODE=LOCAL  
-OUTFM=ptc -NORM=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=2000000000  
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Database : Issued\_Patents\_NA.\*

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8: /cgn2\_6/ptodata/1/ina/RE.COMB.seq.\*  
9: /cgn2\_6/ptodata/1/ina/backfill1.seq.\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	210	100.0	649	3	US-09-390-207-3
2	210	100.0	659	3	US-09-715-805-1
3	210	100.0	659	3	US-09-665-493B-6
4	30	14.3	643	3	US-09-715-805-3
5	30	14.3	1190	3	US-09-390-207-1
6	24	11.4	477	3	US-09-621-976-1353
7	8	3.8	42	6	PCT-US93-06171-33
8	8	3.8	42	6	PCT-US93-06171-33
9	8	3.8	63	2	US-08-194-981E-48

10	8	3.8	74	2	US-08-702-795-5	Sequence 5, Appli
11	8	3.8	168	3	US-09-058-260-33	Sequence 33, Appli
12	8	3.8	173	3	US-08-651-155B-57	Sequence 57, Appli
13	8	3.8	173	3	US-09-194-036B-57	Sequence 57, Appli
14	8	3.8	399	3	US-09-252-991A-2106	Sequence 2106, Ap
15	8	3.8	444	3	US-09-513-999C-1041	Sequence 1041, Ap
16	8	3.8	499	3	US-09-513-999C-1044	Sequence 1044, Ap
17	8	3.8	516	3	US-09-999-833A-484	Sequence 484, App
18	8	3.8	516	3	US-10-020-445A-484	Sequence 484, App
19	8	3.8	552	3	US-09-533-559-6272	Sequence 6272, Ap
20	8	3.8	601	3	US-09-949-016-18783	Sequence 18783, A
21	8	3.8	601	3	US-09-949-016-18781	Sequence 43812, A
22	8	3.8	601	3	US-09-949-016-13812	Sequence 43812, A
23	8	3.8	601	3	US-09-949-016-43857	Sequence 43856, A
24	8	3.8	601	3	US-09-949-016-43857	Sequence 43857, A
25	8	3.8	601	3	US-09-949-016-52428	Sequence 52428, A
26	8	3.8	601	3	US-09-949-016-52429	Sequence 52429, A
27	8	3.8	601	3	US-09-949-016-52473	Sequence 52473, A
28	8	3.8	601	3	US-09-949-016-52474	Sequence 52474, A
29	8	3.8	601	3	US-09-949-016-86668	Sequence 86668, A
30	8	3.8	601	3	US-09-949-016-104180	Sequence 104180, A
31	8	3.8	601	3	US-09-949-016-141355	Sequence 141355, A
32	8	3.8	601	3	US-09-949-016-164150	Sequence 164150, A
33	8	3.8	648	3	US-09-489-039A-6048	Sequence 6048, Ap
34	8	3.8	658	3	US-08-961-527-319	Sequence 319, App
35	8	3.8	716	3	US-09-620-312D-225	Sequence 225, App
36	8	3.8	807	3	US-08-357-497-1	Sequence 1, Appli
37	8	3.8	1059	3	US-09-252-991A-2019	Sequence 2019, A
38	8	3.8	1243	3	US-09-270-767-12301	Sequence 9, Appli
39	8	3.8	1333	3	US-09-372-422A-9	Sequence 9, Appli
40	8	3.8	1434	3	US-09-640-211A-464	Sequence 464, App
41	8	3.8	1704	2	US-08-528-199-2	Sequence 2, Appli
42	8	3.8	1704	2	US-08-528-199-5	Sequence 5, Appli
43	8	3.8	1777	3	US-09-058-260-25	Sequence 25, Appli
44	8	3.8	1924	3	US-09-058-260-29	Sequence 29, Appli
45	8	3.8	2108	3	US-09-221-017B-305	Sequence 305, App

#### ALIGNMENTS

RESULT 1  
US-09-390-207-3  
Sequence 3, Application US/09390207  
Patent No. 6504530  
GENERAL INFORMATION:  
APPLICANT: Thomason, Arlen  
TITLE OF INVENTION: Fibroblast Growth Factor-Like Polypeptides  
FILE REFERENCE: 99-371  
CURRENT APPLICATION NUMBER: US/09/390,207  
CURRENT FILING DATE: 1999-09-07  
NUMBER OF SEQ ID NOS: 41  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 3  
LENGTH: 649  
TYPE: DNA  
ORGANISM: Mus musculus  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (1)..(630)  
US-09-390-207-3

#### Alignment Scores:

Pred. No.: 9.47e-200  
Score: 210.00  
Percent Similarity: 100.00%  
Best local Similarity: 100.00%  
Query Match: 100.00%  
DB: 3  
Gaps: 0

US-09-391-861-4 (1-210) x US-09-390-207-3 (1-649)  
Oy 1 MecGlutrpheArGserArGValGlyThLeuGlyLeuTrpValArgLeuLeuLeuAla 20

Db	1	ATGGAAATGCATAGATCTAGAGTTGGAGCTCTGGAGCTGTGGGTCCGACTGGCTGGCT	60
Qy	21	Val <sup>1</sup> PheLeuLeuLeuGly <sup>1</sup> Val <sup>1</sup> Tyr <sup>1</sup> Gln <sup>1</sup> Ala <sup>1</sup> Tyr <sup>1</sup> Pro <sup>1</sup> Ile <sup>1</sup> Pro <sup>1</sup> Asp <sup>1</sup> Ser <sup>1</sup> Pro <sup>1</sup> Leu <sup>1</sup> Gln <sup>1</sup>	40
Db	61	GTCTTCCTCTGCTGGGGGTCTTACCAAGCATACCCATCCCTGATCTCAGCCCTCTCCAG	120
Qy	41	PheGly <sup>1</sup> Gly <sup>1</sup> Gln <sup>1</sup> Val <sup>1</sup> Arg <sup>1</sup> Gln <sup>1</sup> Arg <sup>1</sup> Tyr <sup>1</sup> Ileu <sup>1</sup> Tyr <sup>1</sup> Thr <sup>1</sup> Asp <sup>1</sup> Asp <sup>1</sup> Gln <sup>1</sup> Asp <sup>1</sup> Thr <sup>1</sup> Gln <sup>1</sup> Ala <sup>1</sup>	60
Db	121	TTTGGGGGTCAAGTCCGGCAGAGGTACCTCTACACAGATGAGCAACCAACACTGAAACC	180
Qy	61	HisLeu <sup>1</sup> Gln <sup>1</sup> Ile <sup>1</sup> Arg <sup>1</sup> Gln <sup>1</sup> Asp <sup>1</sup> Gly <sup>1</sup> Thr <sup>1</sup> Val <sup>1</sup> Val <sup>1</sup> Gly <sup>1</sup> Ala <sup>1</sup> His <sup>1</sup> Arg <sup>1</sup> Ser <sup>1</sup> Pro <sup>1</sup> Gln <sup>1</sup> Ser <sup>1</sup>	80
Db	181	CACCTCGAGATCAAGAGAGATGAGAAACAGTGTAGGGGCGAGCACACCGCAGTCCGAAAGT	240
Qy	81	LeuLeu <sup>1</sup> Gln <sup>1</sup> Ileu <sup>1</sup> Leu <sup>1</sup> Val <sup>1</sup> Ileu <sup>1</sup> Val <sup>1</sup> Ser <sup>1</sup> Pro <sup>1</sup> Gly <sup>1</sup> Val <sup>1</sup> Ileu <sup>1</sup> Gln <sup>1</sup> Ileu <sup>1</sup> Gly <sup>1</sup> Val <sup>1</sup> Val <sup>1</sup> Ala <sup>1</sup> Ser <sup>1</sup>	100
Db	241	CTCCCGAGAGCTCAAAAGCCTTGAAGCCAGGGGTATTCAAATCTGGGTGTCAAACTCT	300
Qy	101	ArgPhe <sup>1</sup> Leu <sup>1</sup> Cys <sup>1</sup> Gln <sup>1</sup> Gln <sup>1</sup> Pro <sup>1</sup> Asp <sup>1</sup> Gly <sup>1</sup> Val <sup>1</sup> Ileu <sup>1</sup> Tyr <sup>1</sup> Gly <sup>1</sup> Ser <sup>1</sup> Pro <sup>1</sup> His <sup>1</sup> Phe <sup>1</sup> Asp <sup>1</sup> Pro <sup>1</sup> Gln <sup>1</sup>	120
Db	301	AGGTTTCTTTGCCAACAGCCAGATGAGAGCTCTTAAGATATCCCTCACTTGATGACTGTAG	360
Qy	121	Ala <sup>1</sup> Cys <sup>1</sup> Ser <sup>1</sup> Phe <sup>1</sup> Arg <sup>1</sup> Gln <sup>1</sup> Ileu <sup>1</sup> Leu <sup>1</sup> Leu <sup>1</sup> Gln <sup>1</sup> Asp <sup>1</sup> Gly <sup>1</sup> Tyr <sup>1</sup> Asn <sup>1</sup> Val <sup>1</sup> Tyr <sup>1</sup> Gln <sup>1</sup> Ser <sup>1</sup> Gln <sup>1</sup> Ala <sup>1</sup>	140
Db	361	GCTGCGACACTTCAAGAGAACTGCTGTCGAGACAGCTTCAATAGTGTACCAAGTCTGAAGCC	420
Qy	141	HisGly <sup>1</sup> Ileu <sup>1</sup> Pro <sup>1</sup> Ileu <sup>1</sup> Val <sup>1</sup> Gly <sup>1</sup> Ileu <sup>1</sup> Val <sup>1</sup> Ser <sup>1</sup> Pro <sup>1</sup> Asn <sup>1</sup> Gln <sup>1</sup> Asp <sup>1</sup> Ala <sup>1</sup> Thr <sup>1</sup> Ser <sup>1</sup> Tyr <sup>1</sup>	160
Db	421	CATGAGCCCTGCCCCCTGCTCTGCTCCAGAAAGACTCCCCCAACAGAGATGACAACTCTGG	480
Qy	161	Gly <sup>1</sup> Pro <sup>1</sup> Val <sup>1</sup> Arg <sup>1</sup> Phe <sup>1</sup> Leu <sup>1</sup> Pro <sup>1</sup> Met <sup>1</sup> Pro <sup>1</sup> Gly <sup>1</sup> Ileu <sup>1</sup> His <sup>1</sup> Gln <sup>1</sup> Pro <sup>1</sup> Gln <sup>1</sup> Asp <sup>1</sup> Gln <sup>1</sup> Ala <sup>1</sup> Gly <sup>1</sup>	180
Db	481	GGACTGTGGGCTTCTCTGCCCATATGCCAGGCTCTCTCCACAGCCCCCAAGACCAAGACGAGGA	540
Qy	181	Phe <sup>1</sup> Ileu <sup>1</sup> Pro <sup>1</sup> Pro <sup>1</sup> Gln <sup>1</sup> Pro <sup>1</sup> Pro <sup>1</sup> Asp <sup>1</sup> Val <sup>1</sup> Gly <sup>1</sup> Ser <sup>1</sup> Ser <sup>1</sup> Asp <sup>1</sup> Pro <sup>1</sup> Leu <sup>1</sup> Ser <sup>1</sup> Met <sup>1</sup> Val <sup>1</sup> Gln <sup>1</sup> Pro <sup>1</sup>	200
Db	541	TTCTGTGCCCCCAGAGCCCCCAGATGTGGCTCTCTCTGACCCCTGAGAGATGTAGAGCT	600
Qy	201	Leu <sup>1</sup> Gln <sup>1</sup> Ile <sup>1</sup> Arg <sup>1</sup> Ser <sup>1</sup> Pro <sup>1</sup> Ser <sup>1</sup> Tyr <sup>1</sup> Ala <sup>1</sup> Ser <sup>1</sup>	210
Db	601	TTACAGGGCCGAAAGCCCTCACTATGTGCTCC	630

```

RESULT 2
US-09-715-805-1
: Sequence 1, Application US/09715805
: Patent No. 6716526
: GENERAL INFORMATION:
: APPLICANT: Itoh, No. 6716626yuki
: APPLICANT: Kavanagh, W. Michael
: TITLE OF INVENTION: HUMAN EGF-21 GENE AND GENE EXPRESSION
: TITLE OF INVENTION: PRODUCTS
: FILE REFERENCE: JP-16758.001/201130.408
: CURRENT APPLICATION NUMBER: US/09/715,805
: CURRENT FILING DATE: 2000-11-16
: NUMBER OF SEQ. ID NOS: 17
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 1
: LENGTH: 659
: TYPE: DNA
: ORGANISM: Mus musculus
: FEATURE:
: NAME/KEY: CDS
: LOCATION: (14)...(646)
: US-09-715-805-1

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Alignment Scores:
Pred. No.:          9.6e-200
Score:              210.00
Percent Similarity: 100.00%
Best Local Similarity: 100.00%
Query Match:        100.00%
DB:                  3

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US-09-391-861-4 (1-210) x US-09-715-805-1 (1-659)

QY	1	MetGluTPMLeArGserArGvalGlyThrLeuGluLeuTPValArgLeuLeuLa	20
Db	14	ATGGAATGATGAATCTAGAGTTGGGACCTGGGACTGTGGGTCCGACTGCTGGCT	73
QY	21	ValPheLeuLeuGluValTYrGlnAlaTYrProIleProAspSerProLeuGln	40
Db	74	GCTTTCCTGGCTGGGGGTCTACCAAGCATACCCTGCTCGACTCCAGGCCCTCTCCAG	133
QY	41	PheGlyGlyGlnValaArgGlnaArgTYrLeuTYrThrAspAspArgCAspThrGluLa	60
Db	134	TTTGGGGGTCAAGTCGGCAGAGTACCTCTACAGATGACGACCAAGACCTGAAGC	193
QY	61	HisLeuGluLileArgGluArgGlyThrValValGlyAlaAlaHisArgSerProGluSer	80
Db	194	CACCTGGAGATCAGGGAGATGGAAACAGTGTAGGCCGACACACCCGACTCCAGAAAGT	253
QY	81	LeuLeuGluLeuLeuValaLeuLeuTyPProGlyValaIleGlnIleLeuGluValValaSer	100
Db	254	CTCTGGAGCTCAAAAGCTTTGAAGCCAGGGGTCACTTCAAACTCTGGGTGTAAAGCCTCT	313
QY	101	ArgPheLeuLeuGlnGlnProArgGlyValaLeuTYrGlySerProHisIlePheAspProGlu	120
Db	314	AGGTTTCTTTGGCCAAAGCCAGATGGAGCTCTATGGATGGCTCACTTGTGATCTGAG	373
QY	121	AlaCysSerPheArgGluLeuLeuLeuGluLubArgLYrAsnValTYrGlnSerGluAla	140
Db	374	GCCCTGACGCTTCAGAAACCTGCTGTGGAGGACGGTTACATGTGTACAGTCTGAAGCC	433
QY	141	HisGlyLeuProLeuArgLeuPProGlnLysAspSerProAsnGlnAspAlaThrSerTTP	160
Db	434	CATGGCCTGGCCCTGTGCTGTGCTCATGAAGAATCTCCAAACAGATGCAACTCTGG	493
QY	161	GlyProValArgPheLeuProMetProGlyLeuLeuHisGluProGlnAspGlnaGly	180
Db	494	GGAACGTGTGGCTTCTGTGCCATGGCAGGCCCTGTCTCCACGAGGCCCAAGCAGGA	553
QY	181	PheLeuProProGluLProProAspValGlySerSerAspProLeuSerMetValGluPro	200
Db	554	TTCTCTGCCCCCAGAGGCCCAAGATGTGGCTCTCTACACCCCTGAAGCATGTAGAGCT	613
QY	201	LeuGlnGlyArgSerProSerTYrAlaSer	210
Db	614	TTACAGGCGCAAGGCCCAAGCTATATGCGCTC	643

RESULT 3  
US-09-665-493B-6  
Sequence 6, Application US/09665493B  
Patent No. 6943153  
GENERAL INFORMATION:  
APPLICANT: Manning, William C., Jr.  
APPLICANT: Dwaraki, Varavani J.  
APPLICANT: Rendahl, Katherine  
APPLICANT: Zhou, Shang-Zhen  
APPLICANT: McGee, Laura H.  
APPLICANT: Lau, Dana  
APPLICANT: Flannery, John G.  
APPLICANT: Miller, Sheldon  
APPLICANT: Wang, Pei  
APPLICANT: Di Polo, Adriana  
TITLE OF INVENTION: USE OF RECOMBINANT GENE DELIVERY VECTORS  
FOR TREATING OR PREVENTING DISEASES OF THE EYE  
FILE REFERENCE: PP1588.005 (20263.40)  
CURRENT APPLICATION NUMBER: US/09/665, 493B  
CURRENT FILING DATE: 2000-09-20  
NUMBER OF SEQ ID NOS: 12  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ. ID NO. 6

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; LENGTH: 659
; TYPE: DNA
; ORGANISM: Homo sapien

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US-09-665-4938-6

## Alignment Scores:

Pred. No.: 9.6e-200 Length: 659  
Score: 210.00 Matches: 210  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 100.00% Indels: 0  
DB: 3 Gaps: 0

US-09-391-861-4 (1-210) x US-09-665-4938-6 (1-659)

QY 1 MetcLurTpMecArGserArGAlGlyThirLeuGlyLeuTrPValArgLeuLeuAla 20  
DB 14 ATGAAATGATGATCTAGAGTTGGAGCCTGGAGCTGGGTCCGACTCTGCTGCT 73  
QY 21 ValPheLeuLeuGlyValTYrGlnAlaTYrProIleProApeSerSerProLeuLeuGln 40  
DB 74 GTCTTCTGCTGGGGGCTTCAAGACATACCCCATCTGACTCCAGCCCCCTCTCCAG 133  
QY 41 PheGlyGlyGlnValArgGlnArgTYrLeuTYrThraPaaPaaPaaGlnAapThrGlnAla 60  
DB 134 TTTGGGGGTCAAGTCCGCGAGAGGTACTCTTACACAGTGAACCAAGACACTGAAGCC 193  
QY 61 HisLeuGlnIleArGserGluAapGlyThrValValGlnAlaHisArGserProGluSer 80  
DB 194 CACTTGAAGATCAGGAGAGATGAAACAGTGTAGGCGACGACCCGACTCCAGAAAGT 253  
QY 81 LeuLeuGlnLeuValAlaLeuLysProGlyValIleGlnIleLeuGlyValLysAlaSer 100  
DB 254 CTCTGGAGCTCAAGCCTTGAGCCAGAGGCTCATTCMAATCCTGGGTCAAGGCTCT 313  
QY 101 ArgPheLeuCyGserGlnProAapGlyValAlaLeuTYrGlySerProHisPheAapProGlu 120  
DB 314 AGGTTTCTTGGCCAAACGCGAGATGAGCTCTCATGATGATGCTCTTGTATCTTGAG 373  
QY 121 AlaCySerPheArGserGluLeuLeuLeuGlnAapGlyTYrAaValTYrGlnSerGlnAla 140  
DB 374 GCTTGCAGCTTCAAGAACTCTGCTGAGAGACGTTTCAATGTGTACCACTTGAAGCC 433  
QY 141 HisGlyLeuProLeuArgLeuProGlnLysAapSerProAapGlnAapAlaThrSerTrp 160  
DB 434 CATGGCCTGCCCCCTGCGCTCTGCTCAGAGAGACTCCCAACCAAGATGCAATCTCTCG 493  
QY 161 GlyProValArgPheLeuProMetProGlyLeuLeuHisGluProGlnAapGlnAlaGly 180  
DB 494 GAGCTGTGGCTTCTGCTGCTCATGCGCTGCTCCAGAGCCCAAGACCAAGCAGGA 553  
QY 181 PheLeuProProGluProProAapValGlySerSerAapProLeuSerMetValGluPro 200  
DB 554 TTCTTGCCCCCAGAGCCCCCAGAGTGGGCTCTCTGACCCCTGAGCATGTAGAGCTT 613  
QY 201 LeuGlnGlyArGserProSerTYrAlaSer 210  
DB 614 TTACAGGGCCGAGACCCGACTATGCGTCC 643

## RESULT 4

US-09-715-805-3  
Sequence 3, Application US/09715805  
Patent No. 6716626  
GENERAL INFORMATION:  
APPLICANT: Itoh, No. 6716626yuki  
TITLE OF INVENTION: HUMAN FGF-21 GENE AND GENE EXPRESSION  
FILE REFERENCE: PP-16758, 001/201130, 408  
CURRENT APPLICATION NUMBER: US/09/715, 805  
CURRENT FILING DATE: 2000-11-16  
NUMBER OF SEQ ID NOS: 17  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 3  
LENGTH: 643  
TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: CDS

LOCATION: (9)...(638)

US-09-715-805-3

## Alignment Scores:

Pred. No.: 1.26e-20 Length: 643  
Score: 30.00 Matches: 30  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 14.29% Indels: 0  
DB: 3 Gaps: 0

US-09-391-861-4 (1-210) x US-09-715-805-3 (1-643)

QY 116 HisPheAapProGlnAlaCySerPheArgGluLeuLeuGlnAapGlyTYrAaVal 135  
DB 351 CACTTGAACCTGAGGCTCGAGCTTCCGGAGAGCTCTTGTGAGACGATACAAATGTT 410  
QY 136 TyrGlnSerGlnAlaHisGlyLeuProLeu 145  
DB 411 TACCAATCCGAGAGCCAGGCTTCCGCTG 440

## RESULT 5

US-09-390-207-1

Sequence 1, Application US/09390207

Patent No. 6504530

GENERAL INFORMATION:

APPLICANT: Thomason, Arlen

TITLE OF INVENTION: Fibroblast Growth Factor-Like Polypeptides

FILE REFERENCE: 99-371

CURRENT APPLICATION NUMBER: US/09/390, 207

CURRENT FILING DATE: 1999-09-07

NUMBER OF SEQ ID NOS: 41

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 1

LENGTH: 1190

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: CDS

LOCATION: (142)..(771)

US-09-390-207-1

## Alignment Scores:

Pred. No.: 2.24e-20 Length: 1190  
Score: 30.00 Matches: 30  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 14.29% Indels: 0  
DB: 3 Gaps: 0

US-09-391-861-4 (1-210) x US-09-390-207-1 (1-1190)

QY 116 HisPheAapProGlnAlaCySerPheArgGluLeuLeuGlnAapGlyTYrAaVal 135  
DB 484 CACTTGAACCTGAGGCTCGAGCTTCCGGAGAGCTCTTGTGAGACGATACAAATGTT 543  
QY 136 TyrGlnSerGlnAlaHisGlyLeuProLeu 145  
DB 544 TACCAATCCGAGAGCCAGGCTTCCGCTG 573

## RESULT 6

US-09-621-976-1353

Sequence 1353, Application US/09621976

Patent No. 6639063

GENERAL INFORMATION:

APPLICANT: Dumas Milne Edwards, J.B.

TITLE OF INVENTION: ESTs and Encoded Human Proteins.

FILE REFERENCE: GENSET.054PR2  
CURRENT APPLICATION NUMBER: US/09/621.976  
CURRENT FILING DATE: 2000-07-21  
NUMBER OF SEQ ID NOS: 19335  
SOFTWARE: Patent.pm  
SEQ ID NO: 1353  
LENGTH: 477  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 169..423  
NAME/KEY: sig\_peptide  
LOCATION: 169..252  
OTHER INFORMATION: Von Heijne matrix  
OTHER INFORMATION: score 11.300001907349  
OTHER INFORMATION: seq SVLAGLLGACQA/HP  
NAME/KEY: misc\_feature  
LOCATION: 207  
OTHER INFORMATION: n=a, g, c or t  
US-09-621-976-1353

Alignment Scores:  
Pred. No.: 8.86e-15 Length: 477  
Score: 24.00 Matches: 24  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 11.43% Indels: 0  
DB: 3 Gaps: 0

US-09-391-861-4 (1-210) x US-09-621-976-1353 (1-477)

QY 31 ProIIPProaPpSerSerProLeuLeuGlnPheGlyGlyGlnValArgGlnArgTyrIleu 50  
Db 256 CCATCCCTGGAYCCAGTCCTCTCCGCAATCGGGGGCCAAAGTCCGCGAGGTACTCT 315  
QY 51 TyTThAspAsp 54  
Db 316 TACACAGATGAT 327

RESULT 7  
US-07-908-317-33  
Sequence 33, Application US/07908317  
Patent No. 5420027  
GENERAL INFORMATION:  
APPLICANT: FISHER, CHARLES W.  
APPLICANT: BARNES, HENRY J.  
APPLICANT: ESTABROOK, RONALD W.  
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR  
TITLE OF INVENTION: THE EXPRESSION OF BIOLOGICALLY  
TITLE OF INVENTION: ACTIVE FUSION PROTEINS COMPRISING A  
TITLE OF INVENTION: EUKARYOTIC CYTOCHROME P450 FUSED TO  
NUMBER OF SEQUENCES: 34  
CORRESPONDENCE ADDRESS:  
ADDRESS: ARNOLD, WHITE & DURKEE  
STREET: P.O. BOX 4433  
CITY: HOUSTON  
STATE: TEXAS  
COUNTRY: USA  
ZIP: 77210  
COMPUTER READABLE FORM:  
MEDIUM TYPE: FLOPPY DISK  
COMPUTER: IBM PC COMPATIBLE  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WORDPERFECT 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/908,317  
FILING DATE: 19920702  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: PARKER, DAVID L.  
REGISTRATION NUMBER: 32,165

REFERENCE/DOCKET NUMBER: UTSD:292/PAR  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 512-320-7200  
TELEFAX: 512-474-7577  
TELEX: NOT APPLICABLE  
INFORMATION FOR SEQ ID NO: 33:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 42 base pairs  
TYPE: NUCLEIC ACID  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-07-908-317-33

Alignment Scores:  
Pred. No.: 7.5 Length: 42  
Score: 8.00 Matches: 8  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 3.81% Indels: 0  
DB: 2 Gaps: 0

US-09-391-861-4 (1-210) x US-07-908-317-33 (1-42)

QY 17 LeuLeuLeuAlaValPheLeuLeu 24  
Db 7 CTGTATTAGCAGTTTCTTCTC 30

RESULT 8  
PCT-US93-06171-33  
Sequence 33, Application PC/TUS9306171  
GENERAL INFORMATION:  
APPLICANT:  
TITLE OF INVENTION: FUSION PROTEINS COMPRISING  
TITLE OF INVENTION: EUKARYOTIC CYTOCHROME P450 FUSED TO  
NUMBER OF SEQUENCES: 34  
CORRESPONDENCE ADDRESS:  
ADDRESS: ARNOLD, WHITE & DURKEE  
STREET: P.O. BOX 4433  
CITY: HOUSTON  
STATE: TEXAS  
COUNTRY: USA  
ZIP: 77210  
COMPUTER READABLE FORM:  
MEDIUM TYPE: FLOPPY DISK  
COMPUTER: IBM PC COMPATIBLE  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WORDPERFECT 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US93/06171  
FILING DATE: 19930629  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/908,317  
FILING DATE: 02 July 1992  
ATTORNEY/AGENT INFORMATION:  
NAME: PARKER, DAVID L.  
REGISTRATION NUMBER: 32,165  
REFERENCE/DOCKET NUMBER: UTSD:292/PAR  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 512-320-7200  
TELEFAX: 512-474-7577  
TELEX: NOT APPLICABLE  
INFORMATION FOR SEQ ID NO: 33:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 42 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
PCT-US93-06171-33

Alignment Scores: 7.5 Length: 42  
Pred. No.: 7.5 Length: 42



Score: 8.00 Matches: 8  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 3.81% Indels: 0  
DB: 6 Gaps: 0

US-09-391-861-4 (1-210) x PCT-US93-06171-33 (1-42)

OY 17 LeuleuleuAlaValPheLeuleu 24  
DB 7 CTGTTATTAGCAGTTTCTTCTC 30

## RESULT 9

US-08-194-981E-48  
; Sequence 48, Application US/08194981E  
; Patent No. 5686157  
; GENERAL INFORMATION:  
; APPLICANT: GUENGERICH, F. Peter  
; APPLICANT: GUO, Zuyu  
; APPLICANT: SANDHU, Punam  
; APPLICANT: GILLAM, Elizabeth M. J.  
; TITLE OF INVENTION: EXPRESSION AND PURIFICATION OF  
; TITLE OF INVENTION: HUMAN  
; TITLE OF INVENTION: CYTOCHROME P450  
; NUMBER OF SEQUENCES: 68  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: NEEDLE & ROSENBERG, P.C.  
; STREET: Suite 1200, 127 Peachtree Street, NE  
; CITY: Atlanta  
; STATE: Georgia  
; COUNTRY: USA  
; ZIP: 30303-1811  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/194,981E  
; FILING DATE: February 10, 1994  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Elizabeth Selby  
; REGISTRATION NUMBER: 38,298  
; REFERENCE/DOCKET NUMBER: 22000.0022  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (404) 688-0770  
; TELEFAX: (404) 688-9880  
; INFORMATION FOR SEQ ID NO: 48:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 63 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
; US-08-194-981E-48

## Alignment Scores:

Pred. No.: 11 Length: 63  
Score: 8.00 Matches: 8  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 3.81% Indels: 0  
DB: 2 Gaps: 0

US-09-391-861-4 (1-210) x US-08-194-981E-48 (1-63)

OY 17 LeuleuleuAlaValPheLeuleu 24  
DB 16 CTGTTATTAGCAGTTTCTTCTGCTG 39

## RESULT 10

US-08-702-795-5  
; Sequence 5, Application US/08702795  
; Patent No. 5668000  
; GENERAL INFORMATION:  
; APPLICANT: Akiyoshi, Megumi  
; APPLICANT: Yabasaki, Yoshiyasu  
; APPLICANT: Sakaki, Toshiyuki  
; APPLICANT: Okawa, Hideo  
; TITLE OF INVENTION: Mitochondrial P450  
; NUMBER OF SEQUENCES: 5  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIRCH, STEWART, KOLASCH & BIRCH  
; STREET: 301 N. Washington Street  
; CITY: Falls Church  
; STATE: Virginia  
; COUNTRY: United States of America  
; ZIP: 22040-0747  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Wordperfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/702,795  
; FILING DATE: 26-AUG-1996  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/420,799  
; FILING DATE:  
; APPLICATION NUMBER: US/08/097,922  
; FILING DATE:  
; APPLICATION NUMBER: US 07/765,941  
; FILING DATE: 26-SEP-1991  
; APPLICATION NUMBER: JP 258262/90  
; FILING DATE: 24-MAY-1990  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Svensson, Leonard R.  
; REGISTRATION NUMBER: 30,330  
; REFERENCE/DOCKET NUMBER: 34-175P  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 703 241 1300  
; TELEFAX: 703 241 2848  
; TELEX: 24834E  
; INFORMATION FOR SEQ ID NO: 5:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 74 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
; US-08-702-795-5

## Alignment Scores:

Pred. No.: 12.8 Length: 74  
Score: 8.00 Matches: 8  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 3.81% Indels: 0  
DB: 2 Gaps: 0

US-09-391-861-4 (1-210) x US-08-702-795-5 (1-74)

OY 17 LeuleuleuAlaValPheLeuleu 24  
DB 24 CTGCTCTGCTGCTGCTTCTTCTGCTC 47

## RESULT 11

US-09-058-260-33  
; Sequence 33, Application US/09058260B  
; Patent No. 6218167  
; GENERAL INFORMATION:  
; APPLICANT: Allen, Larry

Tue Nov 29 11:50:33 2005

```

/ APPLICANT: Atkins, John
/ APPLICANT: Fomstein, Michael
/ APPLICANT: Vonsstein, Veronika
/ APPLICANT: Demitjian, David
/ APPLICANT: Casadaban, Malcolm
/ TITLE OF INVENTION: Stable Biotocatalysts for Ester Hydrolysis
/ FILE REFERENCE: 95-963-H
/ CURRENT APPLICATION NUMBER: US/09/058, 2608
/ CURRENT FILING DATE: 1999-04-10
/ EARLIER APPLICATION NUMBER: 60/001, 995
/ EARLIER FILING DATE: 1996-08-07
/ EARLIER APPLICATION NUMBER: 60/009, 704
/ EARLIER FILING DATE: 1996-01-11
/ EARLIER APPLICATION NUMBER: 60/019, 580
/ EARLIER FILING DATE: 1996-06-12
/ EARLIER APPLICATION NUMBER: 08/694, 078
/ EARLIER FILING DATE: 1996-08-08
/ EARLIER APPLICATION NUMBER: 08/781, 802
/ EARLIER FILING DATE: 1997-01-10
/ EARLIER APPLICATION NUMBER: 08/827, 810
/ NUMBER OF SEQ ID NOS: 37
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO: 33
/ LENGTH: 168
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: partial clone
/ OTHER INFORMATION: of esterase gene from bacteria E007 5'end
/ US-09-058-260-33

Alignment Scores:
Pred. No.: 27.7 Length: 168
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 3.81% Indels: 0
DB: 3 Gaps: 0

US-09-391-861-4 (1-210) x US-09-058-260-33 (1-168)
QY 181 PheLeuProGluProGluProGlu 188
DB 117 TTTTGGCCGCGGACCGCCGCAT 140

RESULT 12
US-08-651-155B-57/C
/ Sequence 57, Application US/08651155B
/ Patent No. 6365401
/ GENERAL INFORMATION:
/ APPLICANT: Mahan Dr., Michael J.
/ APPLICANT: Conner Mr., Christopher P.
/ APPLICANT: Hiethoff Mr., Douglas M.
/ TITLE OF INVENTION: METHOD AND PROBES FOR THE IDENTIFICATION
/ OF MICROBIAL GENES SPECIFICALLY INDUCED DURING HOST
/ INFECTION
/ TITLE OF INVENTION: OF MICROBIAL GENES SPECIFICALLY INDUCED DURING HOST
/ INFECTION
/ NUMBER OF SEQUENCES: 255
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Christman, Bynum & Johnson, P.C.
/ STREET: 1900 Fifteenth Street
/ CITY: Boulder
/ STATE: CO
/ COUNTRY: USA
/ ZIP: 80302
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/651,155B
/ FILING DATE: 17-MAY-1996
```

```

/ CLASSIFICATION: 514
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Petersen Mr., Steven C.
/ REGISTRATION NUMBER: 36,238
/ REFERENCE/DOCKET NUMBER: 17060.1
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 303/546-1300
/ TELEFAX: 303/449-5426
/ TELEX: ABA1475
/ INFORMATION FOR SEQ ID NO: 57:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 173 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA (genomic)
/ HYPOTHEICAL: NO
/ ANTI-SENSE: YES
/ US-08-651-155B-57

Alignment Scores:
Pred. No.: 28.5 Length: 173
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 3.81% Indels: 0
DB: 3 Gaps: 0

US-09-391-861-4 (1-210) x US-08-651-155B-57 (1-173)
QY 165 PheLeuProMetProGlyLeuLeu 172
DB 130 TTCCTGCGCATGCCGGCGCTTTG 107

RESULT 13
US-09-194-036B-57/C
/ Sequence 57, Application US/09194036B
/ Patent No. 6548246
/ GENERAL INFORMATION:
/ APPLICANT: Mahan, Michael J.
/ Conner, Christopher P.
/ Hiethoff, Douglas M.
/ TITLE OF INVENTION: METHOD AND PROBES FOR THE IDENTIFICATION
/ OF MICROBIAL GENES SPECIFICALLY INDUCED DURING HOST
/ INFECTION
/ NUMBER OF SEQUENCES: 255
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Morrison & Foerster
/ STREET: 755 Page Mill Road
/ CITY: Mountain View
/ STATE: CA
/ COUNTRY: USA
/ ZIP: 94304
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/194,036B
/ FILING DATE: 17-NO. 6548246-1998
/ CLASSIFICATION: <Unknown>
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: PCT/US97/08208
/ FILING DATE: 1997-05-16
/ APPLICATION NUMBER: US 08/651,155
/ FILING DATE: 1996-05-17
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Shantanu Basu
/ REGISTRATION NUMBER: 43,318
/ REFERENCE/DOCKET NUMBER: 220002060601
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (650) 813-5995
```

TELEFAX: (650) 494-0792  
INFORMATION FOR SEQ ID NO: 57:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 173 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
HYPOTHETICAL: NO  
ANTI-SENSE: YES  
ORIGINAL SOURCE:  
ORGANISM: DNA (other)  
SEQUENCE DESCRIPTION: SEQ ID NO: 57:  
US-09-194-036B-57

Alignment Scores:  
Pred. No.: 28.5 Length: 173  
Score: 8.00 Matches: 8  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 3.81% Indels: 0  
DB: 3 Gaps: 0

US-09-391-861-4 (1-210) x US-09-194-036B-57 (1-173)

OY 165 PhaeuPrometProglyleu 172  
DB 130 TTCCTGCGATGCCGGGCTTTTG 107

RESULT 14  
US-09-252-991A-2106/c  
Sequence 2106, Application US/09252991A  
Patent No. 6551795  
GENERAL INFORMATION:  
APPLICANT: Marc J. Rubenfield et al.  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
FILE REFERENCE: 107196.136  
CURRENT APPLICATION NUMBER: US/09/252,991A  
CURRENT FILING DATE: 1999-02-18  
PRIOR APPLICATION NUMBER: US 60/074,788  
PRIOR FILING DATE: 1998-02-18  
PRIOR APPLICATION NUMBER: US 60/094,190  
PRIOR FILING DATE: 1998-07-27  
NUMBER OF SEQ ID NOS: 33142  
SEQ ID NO 2106  
LENGTH: 399  
TYPE: DNA  
ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-2106

Alignment Scores:  
Pred. No.: 62.6 Length: 399  
Score: 8.00 Matches: 8  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 3.81% Indels: 0  
DB: 3 Gaps: 0

US-09-391-861-4 (1-210) x US-09-252-991A-2106 (1-399)

OY 36 SerProleuengInpnegly 43  
DB 318 TCCCACTCCTGCGGCTTG 295

RESULT 15  
US-09-513-999C-1041/c  
Sequence 1041, Application US/09513999C  
Patent No. 6783961  
GENERAL INFORMATION:  
APPLICANT: Dumas Milne Edwards, J. B.  
APPLICANT: Duclet, A.  
APPLICANT: Giordano, J. Y.  
TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.

Patent No. 6783961  
FILE REFERENCE: 59 US2, 99C  
CURRENT APPLICATION NUMBER: US/09/513,999C  
CURRENT FILING DATE: 2000-02-24  
PRIOR APPLICATION NUMBER: US 60/122,487  
PRIOR FILING DATE: 1999-02-26  
NUMBER OF SEQ ID NOS: 36681  
SOFTWARE: Patent.pm  
SEQ ID NO 1041  
LENGTH: 444  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURES:  
NAME/KEY: CDS  
LOCATION: 222..443  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: 139  
OTHER INFORMATION: s=g or c  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: 212  
OTHER INFORMATION: s=g or c  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: 215  
OTHER INFORMATION: y=c or t  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: 218  
OTHER INFORMATION: r=a or g  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: 227  
OTHER INFORMATION: s=g or c  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: 236  
OTHER INFORMATION: y=c or t  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: 242  
OTHER INFORMATION: y=c or t  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: 269  
OTHER INFORMATION: s=g or c  
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NAME/KEY: misc\_feature  
LOCATION: 272  
OTHER INFORMATION: m=a or c  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: 293  
OTHER INFORMATION: y=c or t  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: 309  
OTHER INFORMATION: s=g or c  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: 318  
OTHER INFORMATION: m=a or c  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: 322  
OTHER INFORMATION: m=a or c  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: 324  
OTHER INFORMATION: s=g or c  
FEATURE:  
NAME/KEY: misc\_feature

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/ LOCATION: 354
/ OTHER INFORMATION: k=g or t
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: 360
/ OTHER INFORMATION: s=g or c
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: 378
/ OTHER INFORMATION: y=c or t
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: 384
/ OTHER INFORMATION: m=a or c
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: 402
/ OTHER INFORMATION: y=c or t
/ FEATURE:
/ NAME/KEY: UNSURE
/ LOCATION: 30
/ OTHER INFORMATION: Xaa=Asp or His
/ FEATURE:
/ NAME/KEY: UNSURE
/ LOCATION: 33
/ OTHER INFORMATION: Xaa=Ile or Leu
/ FEATURE:
/ NAME/KEY: UNSURE
/ LOCATION: 34
/ OTHER INFORMATION: Xaa=Pro or Gln
/ FEATURE:
/ NAME/KEY: UNSURE
/ LOCATION: 35
/ OTHER INFORMATION: Xaa=Gly or Arg
/ FEATURE:
/ NAME/KEY: UNSURE
/ LOCATION: 45
/ OTHER INFORMATION: Xaa=Ala or Ser
/ FEATURE:
/ NAME/KEY: UNSURE
/ LOCATION: 47
/ OTHER INFORMATION: Xaa=Gly or Arg
/ FEATURE:
/ NAME/KEY: UNSURE
/ LOCATION: 53
/ OTHER INFORMATION: Xaa=Cys or Arg
/ FEATURE:
/ NAME/KEY: UNSURE
/ LOCATION: 61
/ OTHER INFORMATION: Xaa=His or Tyr
/ US-09-513-999C-1041
```

```
Alignment Scores:
Pred. No.: 69.2 Length: 444
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Matchn: 3.81% Indels: 0
DB: 3 Gaps: 0
```

```
US-09-391-861-4 (1-210) x US-09-513-999C-1041 (1-444)
QY 18 LeuLeuAlaValPheLeuLeuGly 25
Db 132 CTTCTGCGGCTTCTTCTGCGC 109
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Search completed: November 28, 2005, 13:37:31  
Job time : 162.382 secs